User: Fakhouri, Morgan
Westchester Dept. of Labs & Research
Date: 05/22/2002 Time: 14:29:21

Sample: AE09517
Analysis: $B1GCMS Blank for GCMS Scan
Units: ug
Started: 5/22/02 14:11 Ended: 5/22/02 14:11 Analyst: MF
Result source: manual entry
Page: 1

	Component Name	Vol	Result	Qualifier	MDL
1	n-Nitrosodimethylamine		< MRL		2.0
2	bis(2-Chloroethyl)ether		< MRL		2.0
3	1,3-Dichlorobenzene		< MRL		2.0
4	1,4-Dichlorobenzene		< MRL		2.0
5	1,2-Dichlorobenzene		< MRL		2.0
6	2,2'-oxybis(1-Chloropropane)		< MRL		2.0
7	n-Nitrosodi-n-propylamine		< MRL		2.0
8	Hexachloroethane		< MRL		2.0
9	Nitrobenzene		< MRL		2.0
10	Isophorone		< MRL		2.0
11	bis(2-Chloroethoxy)methane		< MRL		2.0
12	1,2,4-Trichlorobenzene		< MRL		2.0
13	Naphthalene		< MRL		2.0
14	Hexachlorobutadiene		< MRL		2.0
15	2-Chloronaphthalene		< MRL		2.0
16	Dimethylphthalate		< MRL		2.0
17	2,6-Dinitrotoluene		< MRL		2.0
18	Acenaphthylene		< MRL		2.0
19	Acenaphthene		< MRL		2.0
20	2,4-Dinitrotoluene		< MRL		2.0
21	Diethylphthalate		< MRL		2.0
22	4-Chlorophenylphenylether		< MRL		2.0
23	Fluorene		< MRL		2.0
24	Azobenzene		< MRL		2.0
25	n-Nitrosodiphenylamine		< MRL		2.0
26	4-Bromophenylphenylether		< MRL		2.0
27	Hexachlorobenzene		< MRL		2.0
28	Phenanthrene		< MRL		2.0
29	Anthracene		< MRL		2.0
30	Di-n-butylphthalate		< MRL		2.0
31	Fluoranthene		< MRL		2.0
32	Pyrene		< MRL		2.0
33	Butylbenzylphthalate		< MRL		2.0
34	Benzo(a)anthracene		< MRL		2.0
35	bis(2-Ethylhexyl)phthalate		< MRL		2.0
36	Chrysene		< MRL		2.0
37	Di-n-octylphthalate		< MRL		2.0
38	Benzo(b)fluoranthene		< MRL		2.0
39	Benzo(k)fluoranthene		< MRL		2.0
40	Benzo(a)pyrene		< MRL		2.0
41	Indeno(1,2,3-cd)pyrene		< MRL		2.0
42	Dibenz(a,h)anthracene		< MRL		2.0
43	Benzo(g,h,i)perylene		< MRL		2.0

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\052102\LB.D Vial: 10
Acq On : 21 May 2002 8:40 pm Operator: Mclean
Sample : Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: May 22 12:02:07 2002 Quant Results File: 052202.RES

Quant Method : C:\MSDCHEM\1\METHODS\052202.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Last Update : Wed May 22 12:00:55 2002
Response via : Initial Calibration
DataAcq Meth : 508SCAN

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.90	152	5242858	40.00	ug/L	0.00
10) Napthalene-d8	13.40	136	20669734	40.00	ug/L	-0.01
17) Acenapthalene-d10	18.53	164	11333579	40.00	ug/L	0.00
29) Phenanthranene-d10	22.91	188	17412674	40.00	ug/L	0.00
37) Chrysene-d12	30.77	240	13802444	40.00	ug/L	-0.04
43) Perylene-d12	34.67	264	8585209	40.00	ug/L	-0.02
System Monitoring Compounds						
27) TCMX	20.51	209	2300172	38.40	ug/L	0.00
Spiked Amount 40.000			Recovery = 96.00%			
Target Compounds						Qvalue
2) n-nitros-dimethyl amine	0.00	74	0	N.D.		
3) bis(2-Chloroethyl)ether	0.00	93	0	N.D.		
4) 1,3-Dichlorobenzene	0.00	146	0	N.D.		
5) 1,4-Dichlorobenzene	0.00	146	0	N.D.		
6) 1,2-Dichlorobenzene	0.00	146	0	N.D.		
7) 2,2'oxybis(1-Chloropropane	0.00	45	0	N.D.		
8) N-nitroso-di-propylamine	0.00	70	0	N.D.		
9) Hexachloroethane	0.00	117	0	N.D.		
11) Nitrobenzene	0.00	77	0	N.D.		
12) Isophorone	0.00	82	0	N.D.		
13) bis(2-Chloroethoxy) methan	13.40	93	1784	N.D.		
14) 1,2,4-Trichlorobenzene	0.00	180	0	N.D.		
15) Napthalene	0.00	128	0	N.D.		
16) Hexachlorobutadiene	0.00	225	0	N.D.		
18) 2-Chloronaphthalene	0.00	162	0	N.D.		
19) Dimethylphthalate	0.00	163	0	N.D.		
20) 2,6-Dinitrotoluene	0.00	165	0	N.D.		
21) Acenapthylene	0.00	152	0	N.D.		
22) Acenapthalene	0.00	153	0	N.D.		
23) 2,4-Dinitrotoluene	0.00	165	0	N.D.		
24) Diethylphthalate	20.11	149	22344	N.D.		
25) 4-Chlorophenyl-phenylether	0.00	204	0	N.D.		
26) Fluorene	0.00	166	0	N.D.		
28) Azobenzene	20.50	77	35953	N.D.		
30) Nnitrosodiphenylamine	20.51	169	43320	N.D.		
31) 4-Bromophenyl-phenylether	0.00	248	0	N.D.		
32) Hexachlorobenzene	0.00	284	0	N.D.		
33) Phenanthrene	0.00	178	0	N.D.		
34) Anthracene	0.00	178	0	N.D.		
35) Di-n-butylphthalate	25.05	149	258823	0.50	ug/L	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\052102\LB.D Vial: 10
Acq On : 21 May 2002 8:40 pm Operator: Mclean
Sample : Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: May 22 12:02:07 2002 Quant Results File: 052202.RES

Quant Method : C:\MSDCHEM\1\METHODS\052202.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Last Update : Wed May 22 12:00:55 2002
Response via : Initial Calibration
DataAcq Meth : 508SCAN

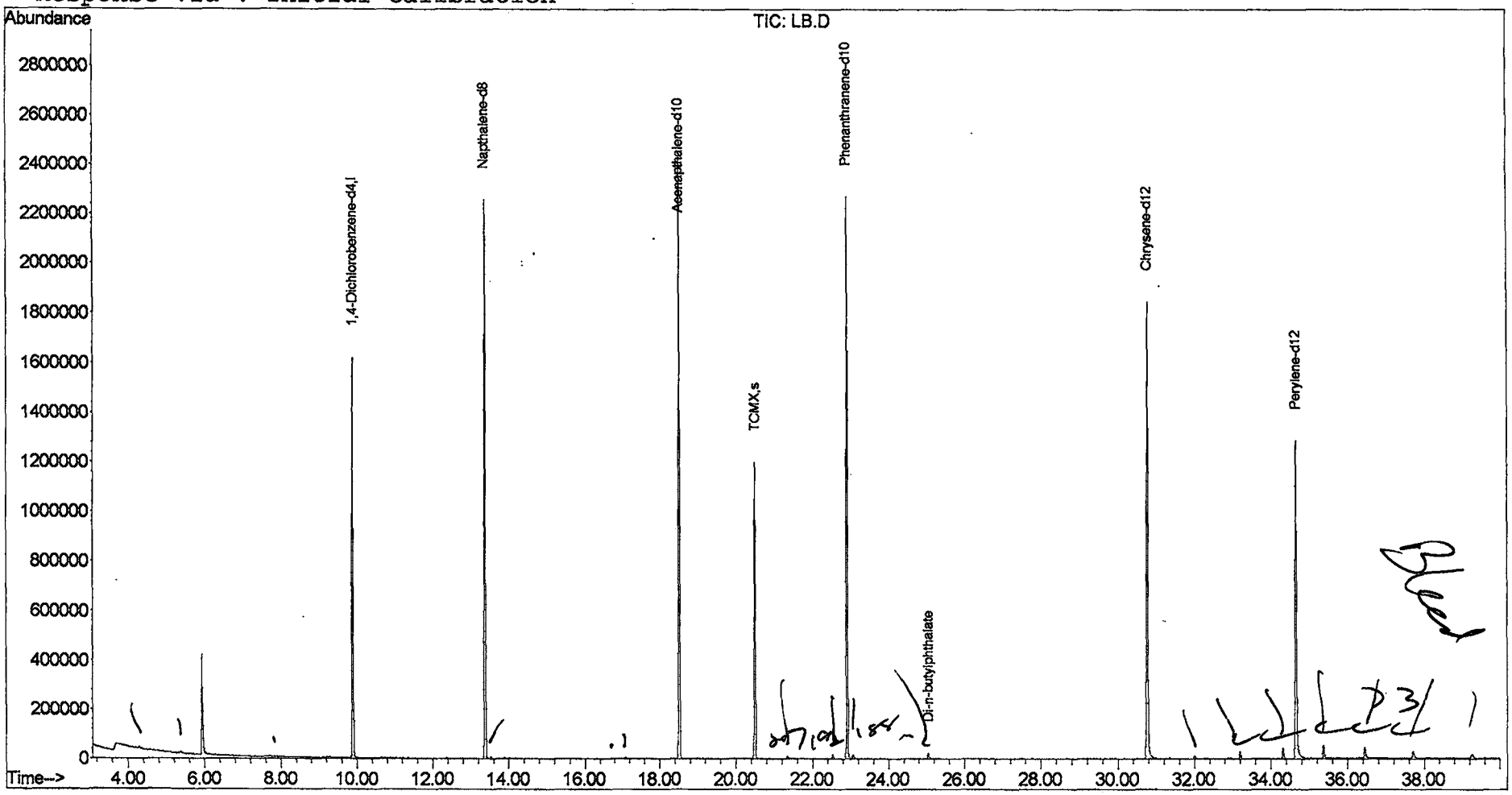
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
36) Fluoroanthene	0.00	202	0	N.D.	
38) Pyrene	0.00	202	0	N.D.	
39) Butylbenzylphthalate	0.00	149	0	N.D.	
40) Benzo(a)anthracene	30.77	228	37869	N.D.	
41) Bis(2-ethylhexyl)phthalate	0.00	149	0	N.D.	
42) Chrysene	0.00	228	0	N.D.	
44) Di-n-octylphthalate	0.00	149	0	N.D.	
45) Benzo(b)fluoranthene	0.00	252	0	N.D.	
46) Benzo(k)fluoranthene	0.00	252	0	N.D.	
47) Benzo(a)pyrene	0.00	252	0	N.D.	
48) Indeno(1,2,3-cd)pyrene	0.00	276	0	N.D.	
49) Dibenz(a,h)anthracene	0.00	278	0	N.D.	
50) Benzo(g,h,i)perylene	0.00	276	0	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\052102\LB.D Vial: 10
Acq On : 21 May 2002 8:40 pm Operator: Mclean
Sample : Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: May 22 12:02 2002 Quant Results File: 052202.RES

Method : C:\MSDCHEM\1\METHODS\052202.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Last Update : Wed May 22 12:00:55 2002
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\MSDCHEM\1\DATA\052102\LB.D Vial: 10
Acq On : 21 May 2002 8:40 pm Operator: Mclean
Sample : Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

Method : C:\MSDCHEM\1\METHODS\052202.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan

Signal : TIC

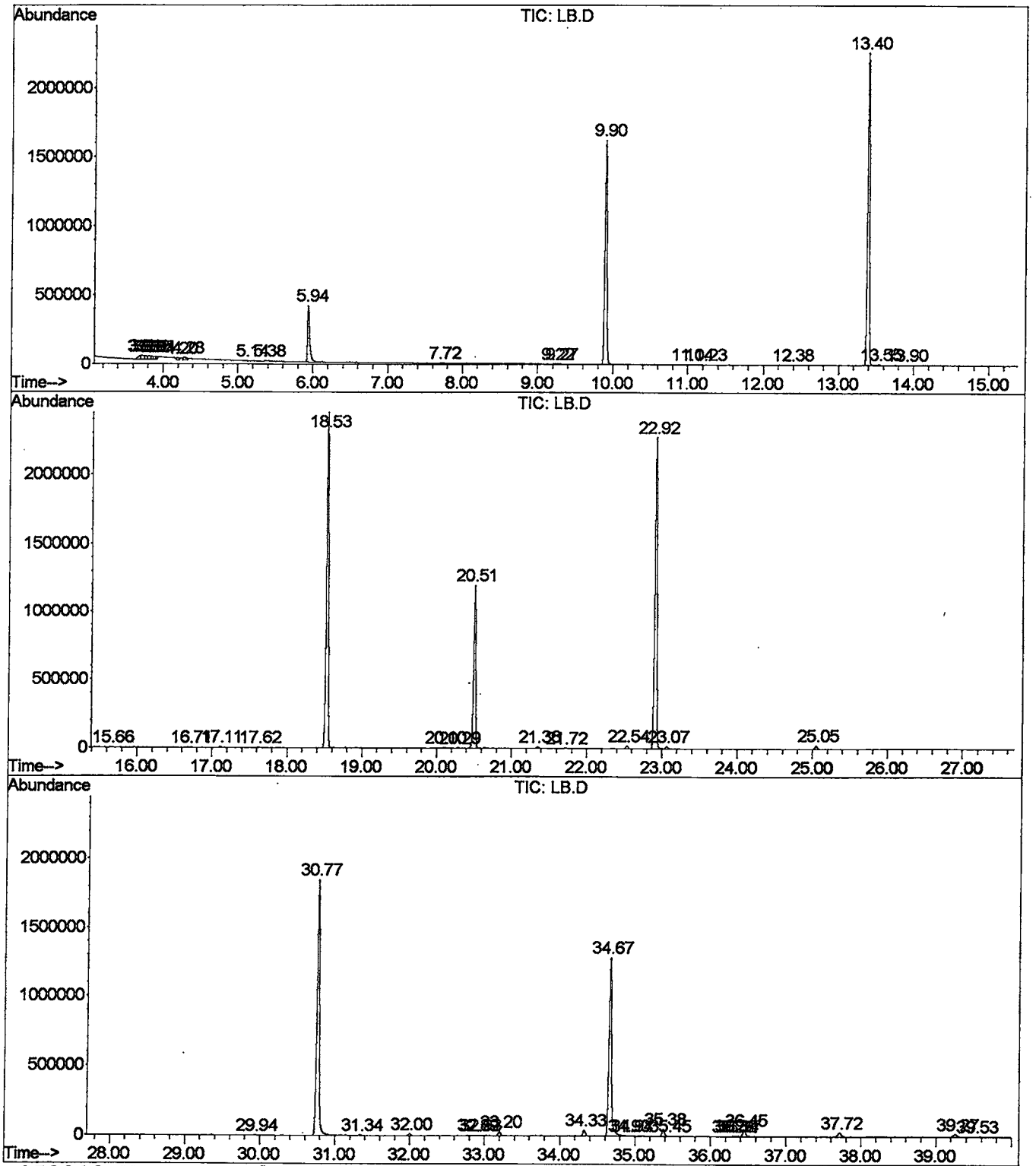
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.690	94	104	105	PV 2	25855	548700	1.17%	0.193%
2	3.714	105	108	114	VV 7	27710	859037	1.83%	0.302%
3	3.761	114	116	121	VV 6	26515	622002	1.32%	0.219%
4	3.814	121	125	129	VV 4	25922	693652	1.48%	0.244%
5	3.849	129	131	134	VV 3	23960	343132	0.73%	0.121%
6	3.872	134	135	140	VV 5	22663	468404	1.00%	0.165%
7	3.908	140	141	143	VV 2	22062	259274	0.55%	0.091%
8	4.196	186	190	195	VV 6	16716	435891	0.93%	0.153%
9	4.284	201	205	213	VV 3	19914	648880	1.38%	0.228%
10	5.142	349	351	357	VV 5	3340	71620	0.15%	0.025%
11	5.377	386	391	397	VV 5	5712	158563	0.34%	0.056%
12	5.941	480	487	516	PV	403562	7956392	16.93%	2.801%
13	7.715	783	789	799	PV 7	3789	85387	0.18%	0.030%
14	9.213	1032	1044	1051	PV 4	2291	62719	0.13%	0.022%
15	9.266	1051	1053	1055	VV 2	1903	18322	0.04%	0.006%
16	9.901	1149	1161	1180	VV	1604939	31366082	66.74%	11.044%
17	11.041	1350	1355	1364	VV 6	2077	39938	0.08%	0.014%
18	11.229	1380	1387	1390	BV 5	1897	24662	0.05%	0.009%
19	12.374	1576	1582	1589	PV 3	1928	33226	0.07%	0.012%
20	13.397	1746	1756	1769	PV	2249063	41974188	89.31%	14.779%
21	13.544	1773	1781	1793	VV	6401	114822	0.24%	0.040%
22	13.896	1832	1841	1849	BV 5	2919	39136	0.08%	0.014%
23	15.659	2135	2141	2149	VV 3	2049	37592	0.08%	0.013%
24	16.711	2307	2320	2329	VV 3	3483	66145	0.14%	0.023%
25	17.110	2384	2388	2396	VV 2	6268	91841	0.20%	0.032%
26	17.627	2466	2476	2490	PV 5	3426	63241	0.13%	0.022%
27	18.532	2606	2630	2645	PV	2419855	46057695	98.00%	16.216%
28	20.101	2891	2897	2904	VV 4	2876	58546	0.12%	0.021%
29	20.289	2922	2929	2934	PV 5	1784	29002	0.06%	0.010%
30	20.506	2953	2966	2981	VV	1183114	22643450	48.18%	7.972%
31	21.358	3105	3111	3127	VV 4	9756	156850	0.33%	0.055%
32	21.717	3163	3172	3185	PV 7	1906	47102	0.10%	0.017%
33	22.539	3305	3312	3322	PV 4	18882	333446	0.71%	0.117%
34	22.915	3362	3376	3395	PV 2	2258217	46998886	100.00%	16.548%
35	23.068	3395	3402	3417	VV 2	15844	324966	0.69%	0.114%
36	25.054	3731	3740	3755	PV	24647	448235	0.95%	0.158%
37	29.942	4557	4572	4576	BV 3	1901	33164	0.07%	0.012%

38	30.771	4696	4713	4755	PV	2	1825644	42331588	90.07%	14.904%
39	31.341	4803	4810	4817	PV	5	5507	97353	0.21%	0.034%
40	32.005	4915	4923	4931	VV	2	11081	222991	0.47%	0.079%
41	32.892	5066	5074	5077	VV	5	2522	88267	0.19%	0.031%
42	32.927	5077	5080	5095	VV	5	2993	110267	0.23%	0.039%
43	33.203	5119	5127	5143	PV	2	29068	596078	1.27%	0.210%
44	34.326	5310	5318	5329	PV	2	42639	947900	2.02%	0.334%
45	34.666	5363	5376	5414	VV	2	1278674	31127924	66.23%	10.960%
46	34.901	5414	5416	5420	VV	4	2929	47773	0.10%	0.017%
47	34.937	5420	5422	5426	VV	4	2312	30401	0.06%	0.011%
48	35.377	5487	5497	5507	PV	3	51400	1136325	2.42%	0.400%
49	35.448	5507	5509	5513	VV	5	1733	19523	0.04%	0.007%
50	36.276	5647	5650	5652	VV	4	1932	25791	0.05%	0.009%
51	36.317	5652	5657	5659	VV	5	3576	75834	0.16%	0.027%
52	36.335	5659	5660	5664	VV	4	3323	58176	0.12%	0.020%
53	36.370	5664	5666	5671	VV	3	3110	51628	0.11%	0.018%
54	36.452	5671	5680	5696	VV	2	44730	1211920	2.58%	0.427%
55	37.716	5883	5895	5912	PV	3	27952	932703	1.98%	0.328%
56	39.267	6143	6159	6176	PV	5	16147	687347	1.46%	0.242%
57	39.525	6197	6203	6205	PV	6	513	6757	0.01%	0.002%

Sum of corrected areas: 284020734

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\DATA\052102\LB.D
Operator : Mclean
Acquired : 21 May 2002 8:40 pm using AcqMethod 508SCAN
Instrument : Instrumen
Sample Name:
Misc Info :
Vial Number: 10
Quant File :052202.RES (Chemstation Integrator)



Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\052102\LB.D
Acq On : 21 May 2002 8:40 pm
Sample :
Misc :
MS Integration Params: LSCINT.e

Vial: 10
Operator: Mclean
Inst : Instrumen
Multiplr: 1.00

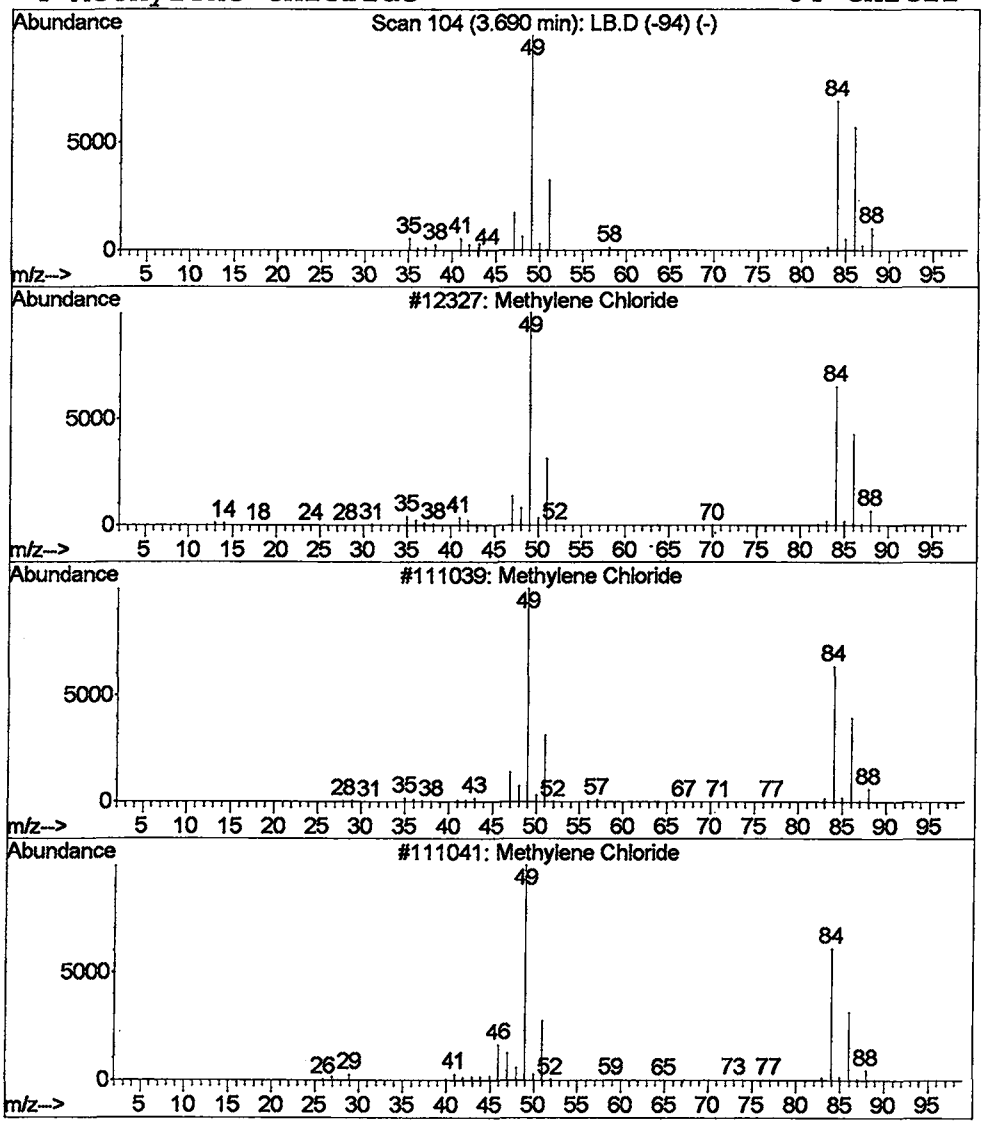
Quant Method : C:\MSDCHEM\1\METHODS\052202.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

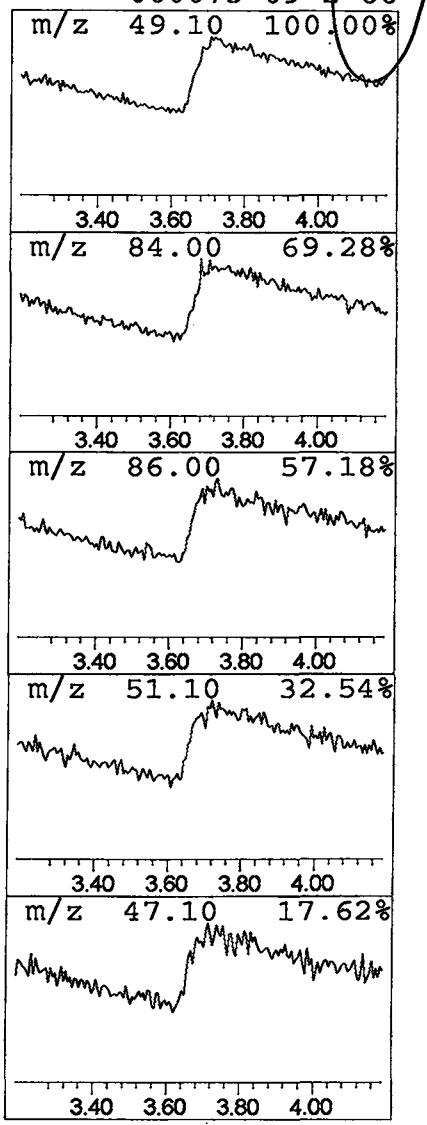
****

Peak Number 1 Methylene Chloride Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.69	0.70 ug/L	548700	1,4-Dichlorobenzene-d4	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methylene Chloride	84	CH2Cl2	000075-09-2	91
2	Methylene Chloride	84	CH2Cl2	000075-09-2	91
3	Methylene Chloride	84	CH2Cl2	000075-09-2	86
4	Methylene Chloride	84	CH2Cl2	000075-09-2	86





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\052102\LB.D
Acq On : 21 May 2002 8:40 pm
Sample :
Misc :
MS Integration Params: LSCINT.e

Vial: 10
Operator: Mclean
Inst : Instrumen
Multiplr: 1.00

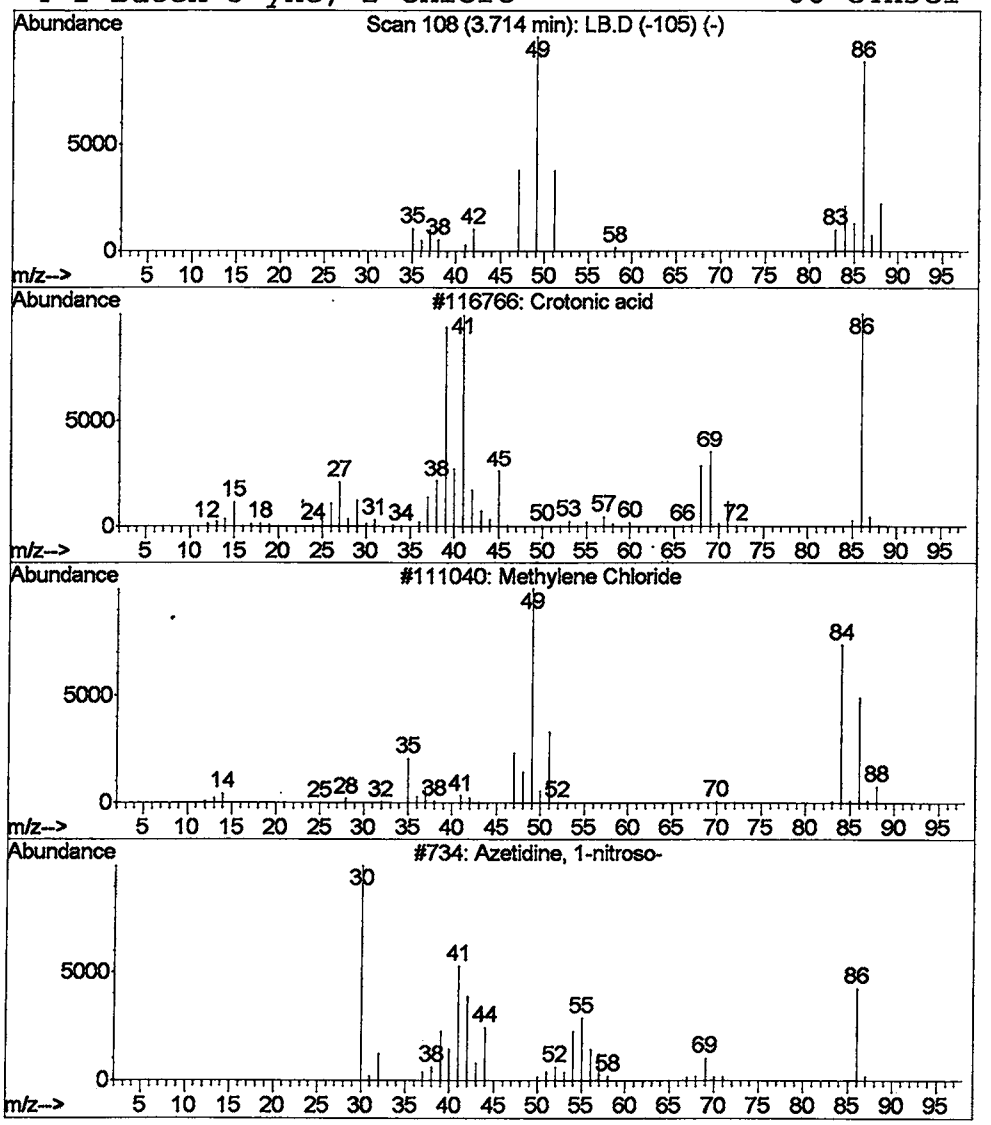
Quant Method : C:\MSDCHEM\1\METHODS\052202.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

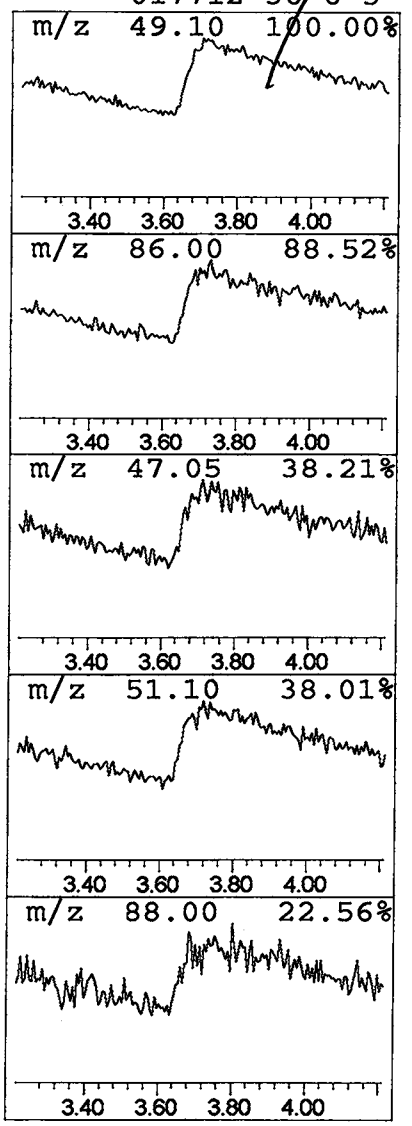
****

Peak Number 2 Crotonic acid Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.71	1.10 ug/L	859037	1,4-Dichlorobenzene-d4	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Crotonic acid	86	C4H6O2	003724-65-0	9
2	Methylene Chloride	84	CH2Cl2	000075-09-2	5
3	Azetidine, 1-nitroso-	86	C3H6N2O	015216-10-1	5
4	1-Buten-3-yne, 2-chloro-	86	C4H3Cl	017712-36-6	5





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\052102\LB.D Vial: 10
Acq On : 21 May 2002 8:40 pm Operator: Mclean
Sample : Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

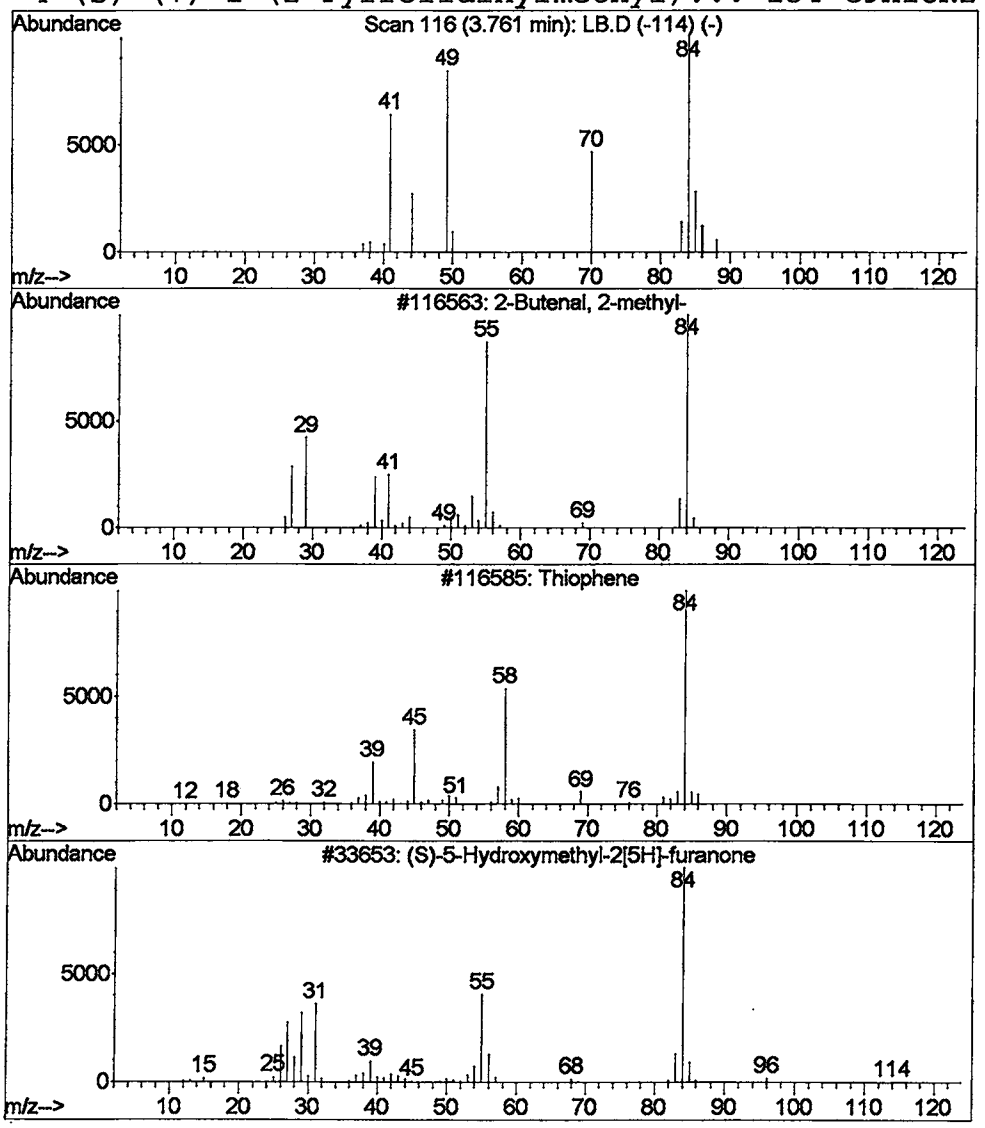
Quant Method : C:\MSDCHEM\1\METHODS\052202.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

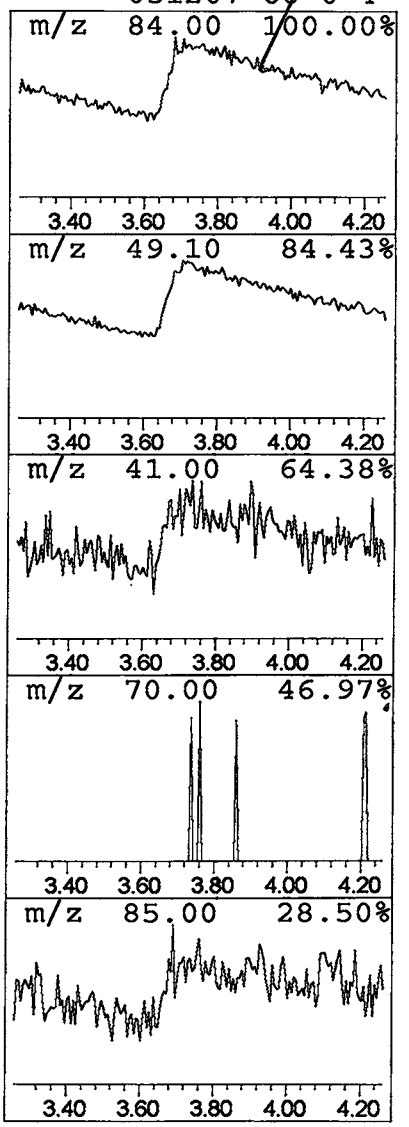
****

Peak Number 3 2-Butenal, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.76	0.79 ug/L	622002	1,4-Dichlorobenzene-d4	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butenal, 2-methyl-	84	C5H8O	001115-11-3	7
2	Thiophene	84	C4H4S	000110-02-1	5
3	(S)-5-Hydroxymethyl-2[5H]-furanone	114	C5H6O3	078508-96-0	4
4	(S)-(+)-1-(2-Pyrrolidinylmethyl)...	154	C9H18N2	051207-66-0	4





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\052102\LB.D
Acq On : 21 May 2002 8:40 pm
Sample :
Misc :
MS Integration Params: LSCINT.e

Vial: 10
Operator: Mclean
Inst : Instrumen
Multiplr: 1.00

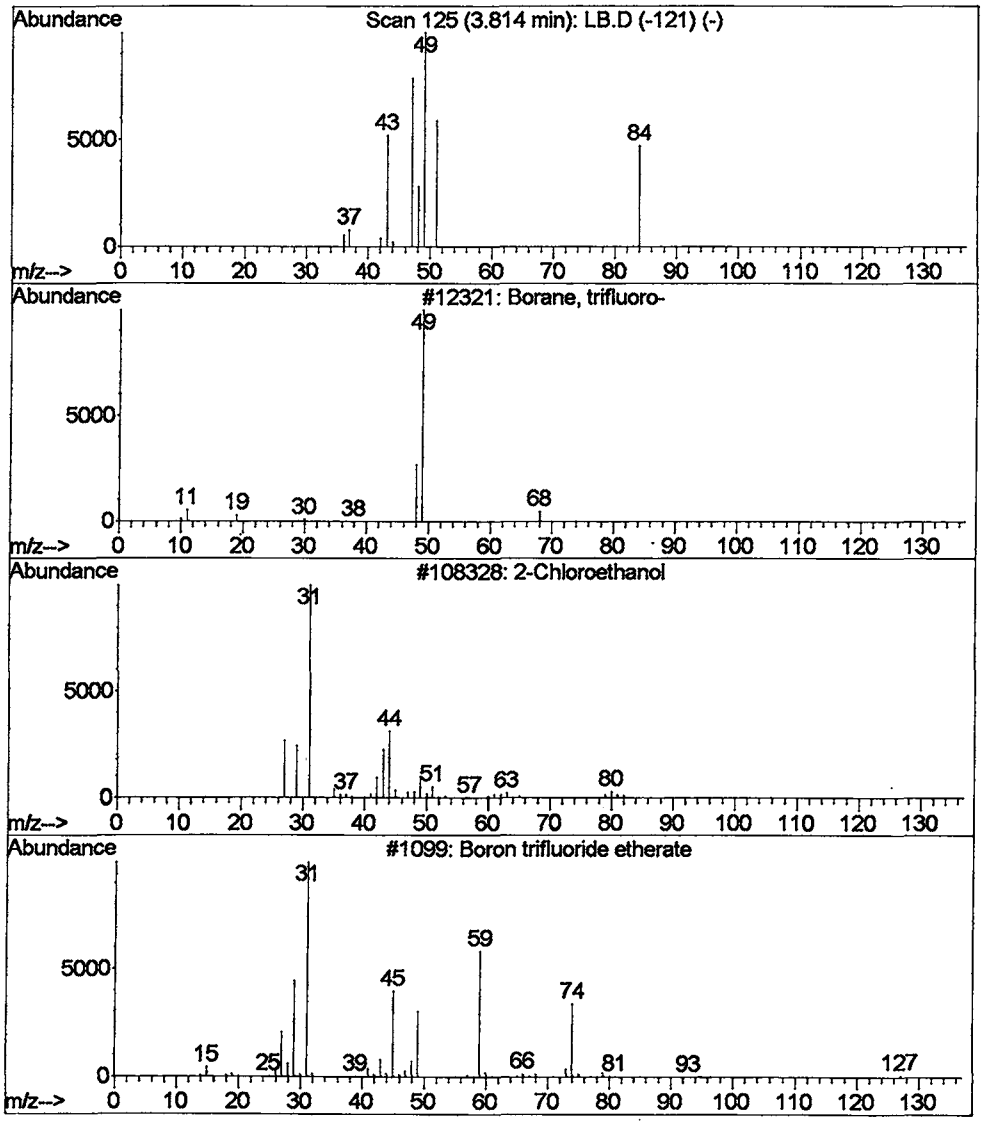
Quant Method : C:\MSDCHEM\1\METHODS\052202.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

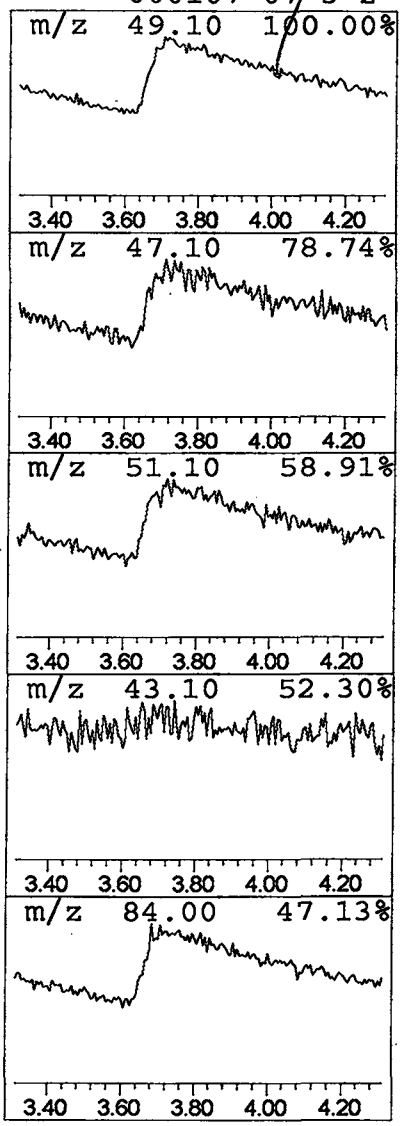
****

Peak Number 4 Borane, trifluoro- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.82	0.88 ug/L	693652	1,4-Dichlorobenzene-d4	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Borane, trifluoro-	68	BF3	007637-07-2	2
2	2-Chloroethanol	80	C2H5ClO	000107-07-3	2
3	Boron trifluoride etherate	142	C4H10BF3O	000109-63-7	2
4	2-Chloroethanol	80	C2H5ClO	000107-07-3	2





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\052102\LB.D
Acq On : 21 May 2002 8:40 pm
Sample :
Misc :
MS Integration Params: LSCINT.e

Vial: 10
Operator: Mclean
Inst : Instrumen
Multiplr: 1.00

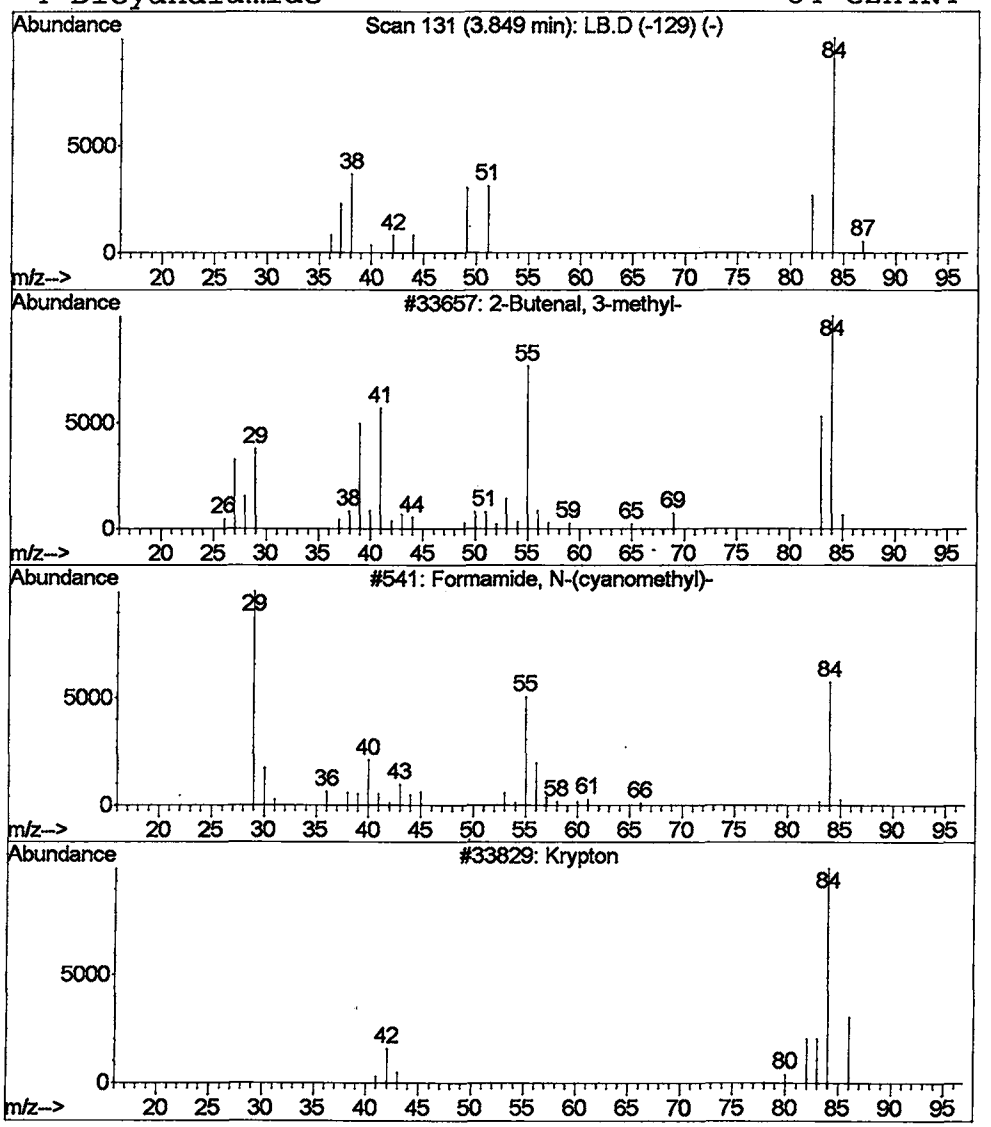
Quant Method : C:\MSDCHEM\1\METHODS\052202.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

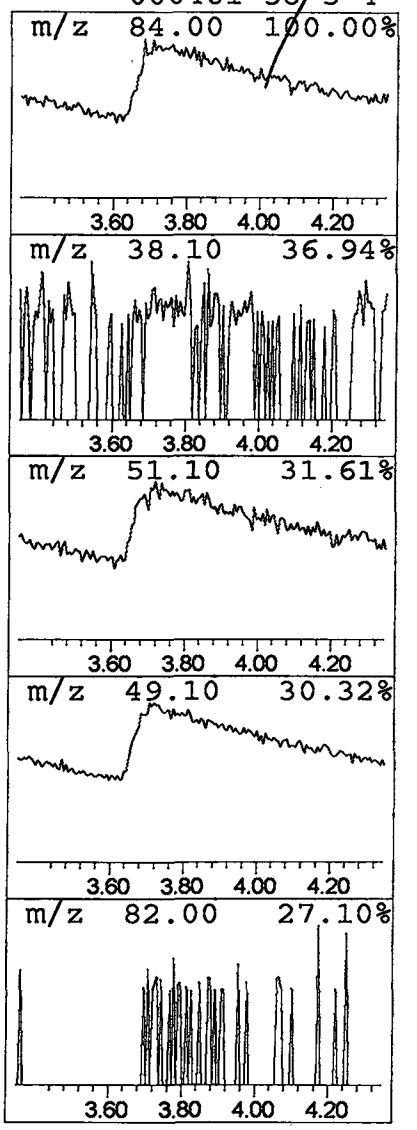
****

Peak Number 5 2-Butenal, 3-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.85	0.44 ug/L	343132	1,4-Dichlorobenzene-d4	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butenal, 3-methyl-	84	C5H8O	000107-86-8	5
2	Formamide, N-(cyanomethyl)-	84	C3H4N2O	005018-27-9	5
3	Krypton	84	Kr	007439-90-9	4
4	Dicyandiamide	84	C2H4N4	000461-58-5	4





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\052102\LB.D
Acq On : 21 May 2002 8:40 pm
Sample :
Misc :
MS Integration Params: LSCINT.e

Vial: 10
Operator: Mclean
Inst : Instrumen
Multiplr: 1.00

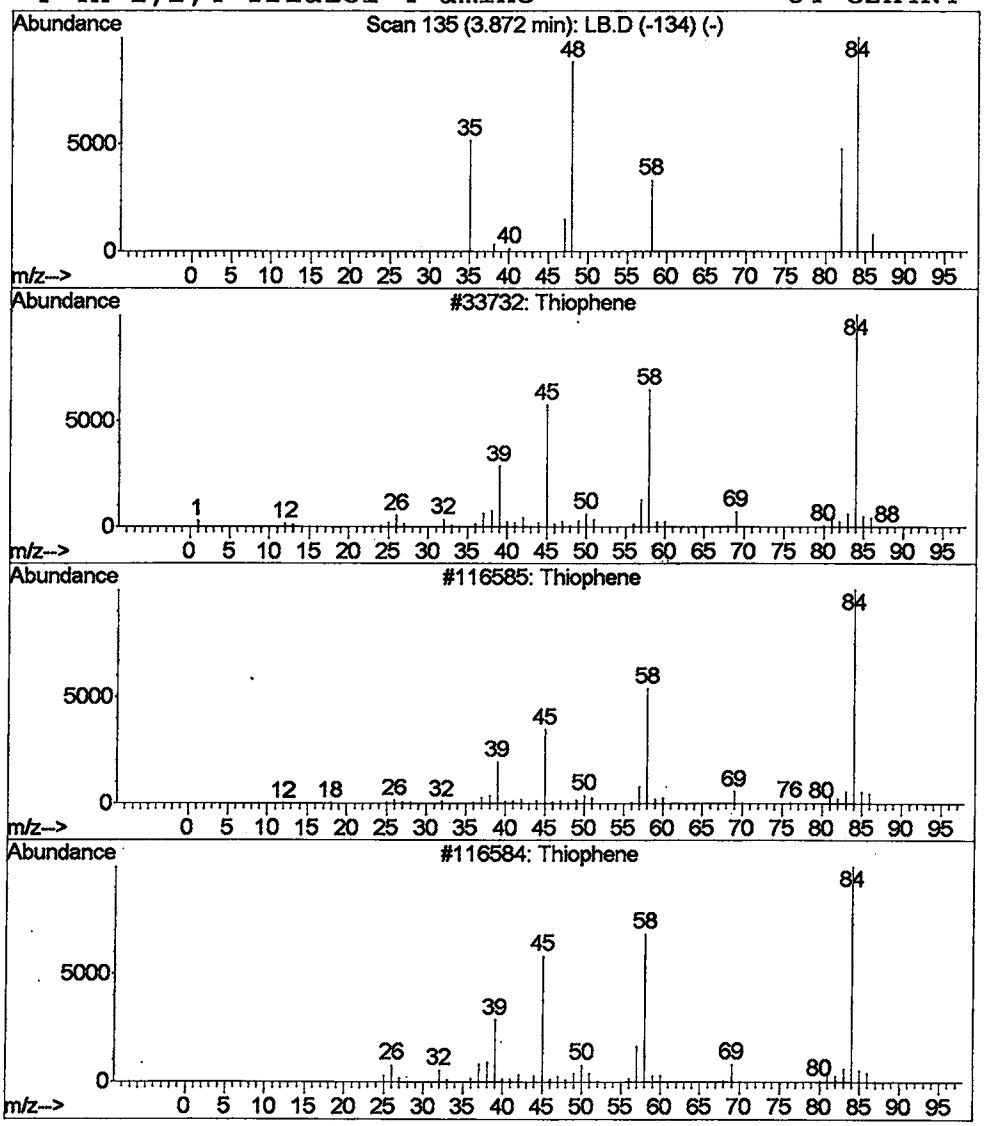
Quant Method : C:\MSDCHEM\1\METHODS\052202.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

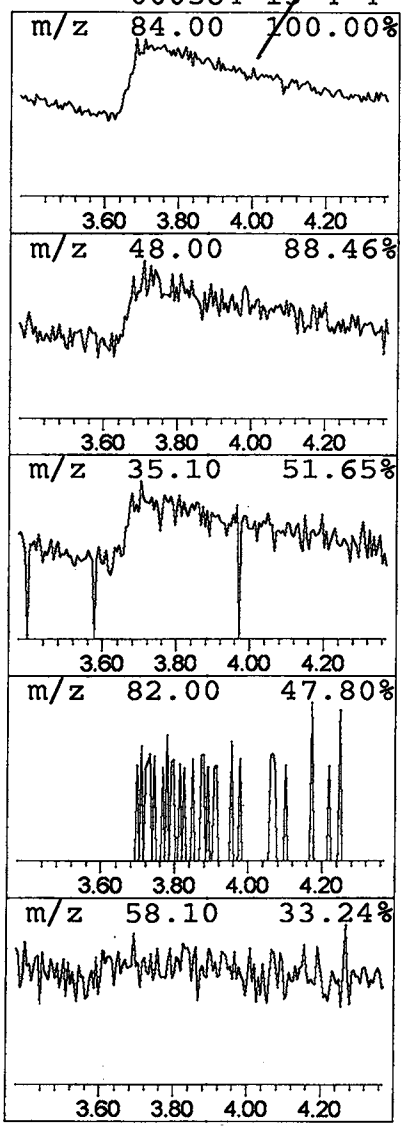
****

Peak Number 6 Thiophene — Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.87	0.60 ug/L	468404	1,4-Dichlorobenzene-d4	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene	84	C4H4S	000110-02-1	4
2	Thiophene	84	C4H4S	000110-02-1	4
3	Thiophene	84	C4H4S	000110-02-1	4
4	4H-1,2,4-Triazol-4-amine	84	C2H4N4	000584-13-4	4





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\052102\LB.D
Acq On : 21 May 2002 8:40 pm
Sample :
Misc :
MS Integration Params: LSCINT.e

Vial: 10
Operator: Mclean
Inst : Instrumen
Multiplr: 1.00

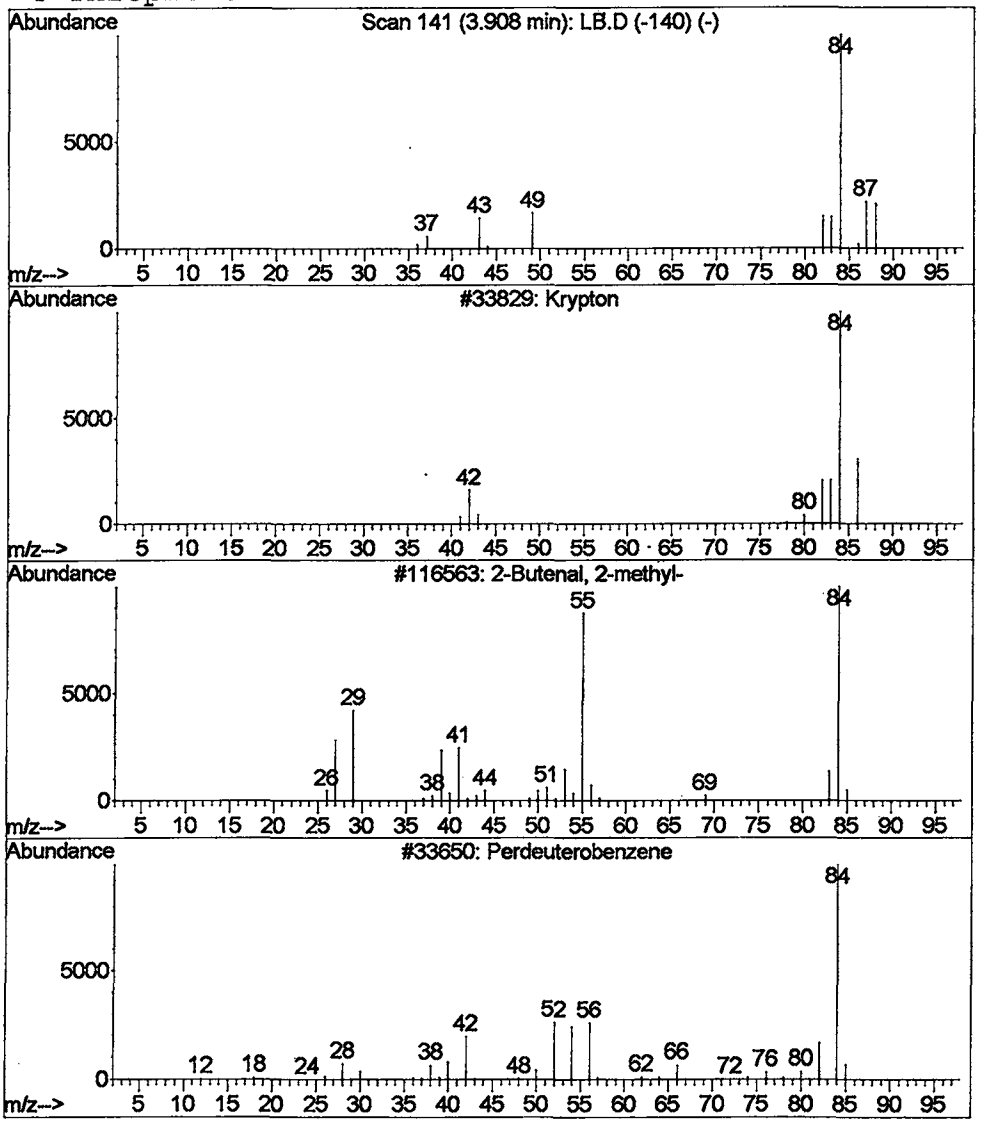
Quant Method : C:\MSDCHEM\1\METHODS\052202.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

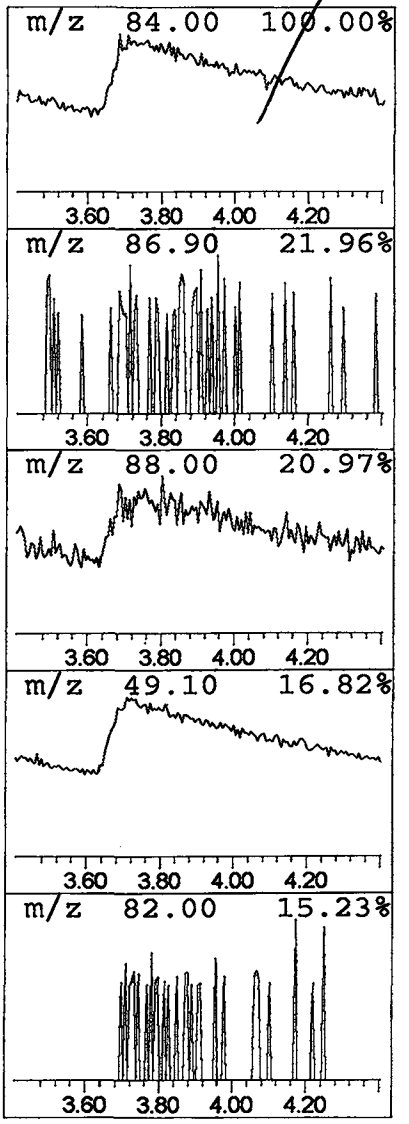
****

Peak Number 7 Krypton — Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.91	0.33 ug/L	259274	1,4-Dichlorobenzene-d4	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Krypton	84	Kr	007439-90-9	9
2	2-Butenal, 2-methyl-	84	C5H8O	001115-11-3	4
3	Perdeuterobenzene	84	C6D6	001076-43-3	4
4	Thiophene	84	C4H4S	000110-02-1	4





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\052102\LB.D
Acq On : 21 May 2002 8:40 pm
Sample :
Misc :
MS Integration Params: LSCINT.e

Vial: 10
Operator: Mclean
Inst : Instrumen
Multiplr: 1.00

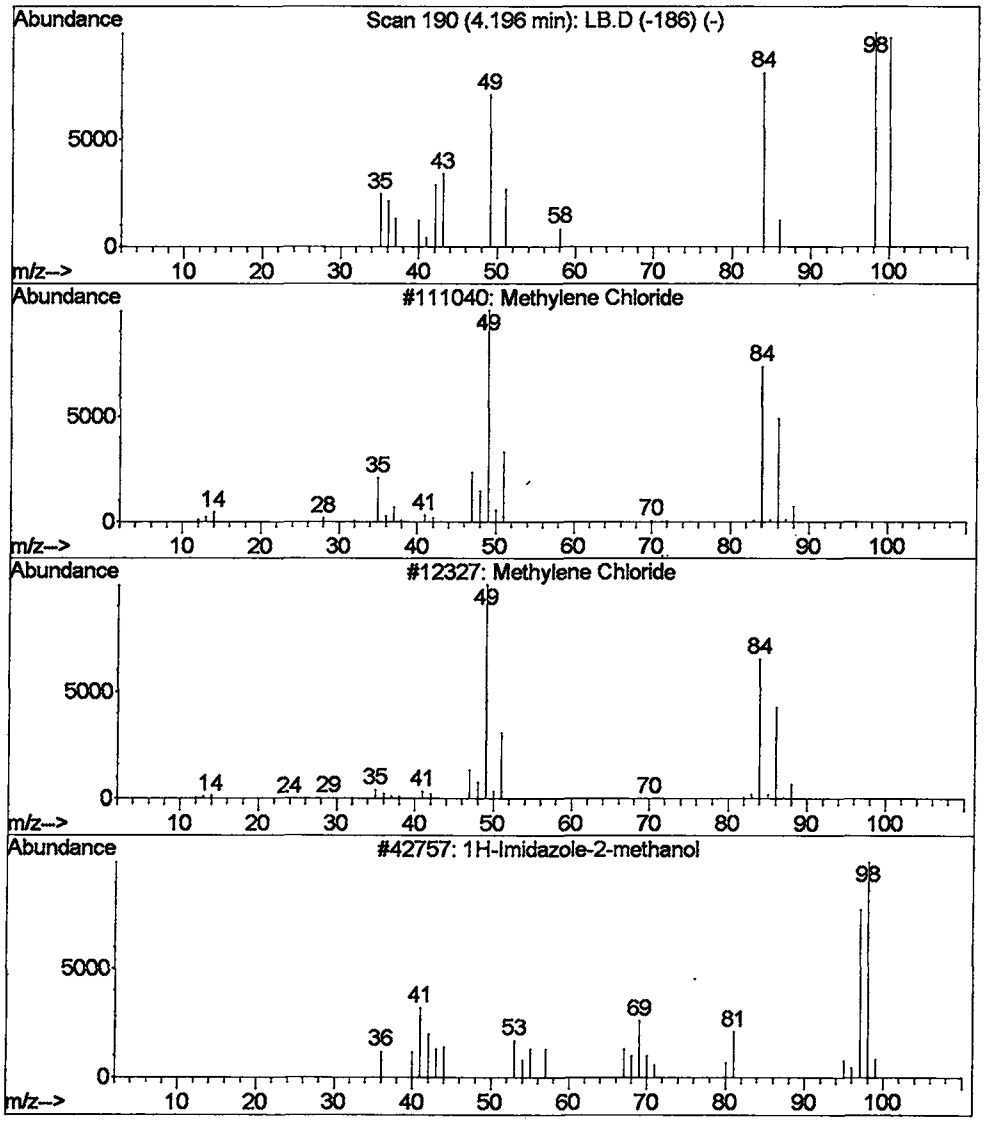
Quant Method : C:\MSDCHEM\1\METHODS\052202.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

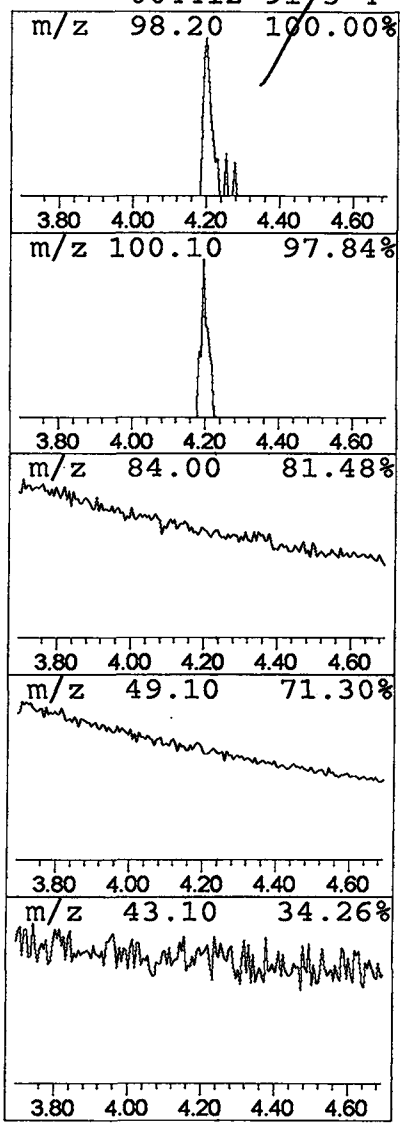
****

Peak Number 8 Methylene Chloride Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.20	0.56 ug/L	435891	1,4-Dichlorobenzene-d4	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methylene Chloride	84	CH2Cl2	000075-09-2	9
2	Methylene Chloride	84	CH2Cl2	000075-09-2	5
3	1H-Imidazole-2-methanol	98	C4H6N2O	003724-26-3	4
4	3-Furanmethanol	98	C5H6O2	004412-91-3	4





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\052102\LB.D
Acq On : 21 May 2002 8:40 pm
Sample :
Misc :
MS Integration Params: LSCINT.e

Vial: 10
Operator: Mclean
Inst : Instrumen
Multiplr: 1.00

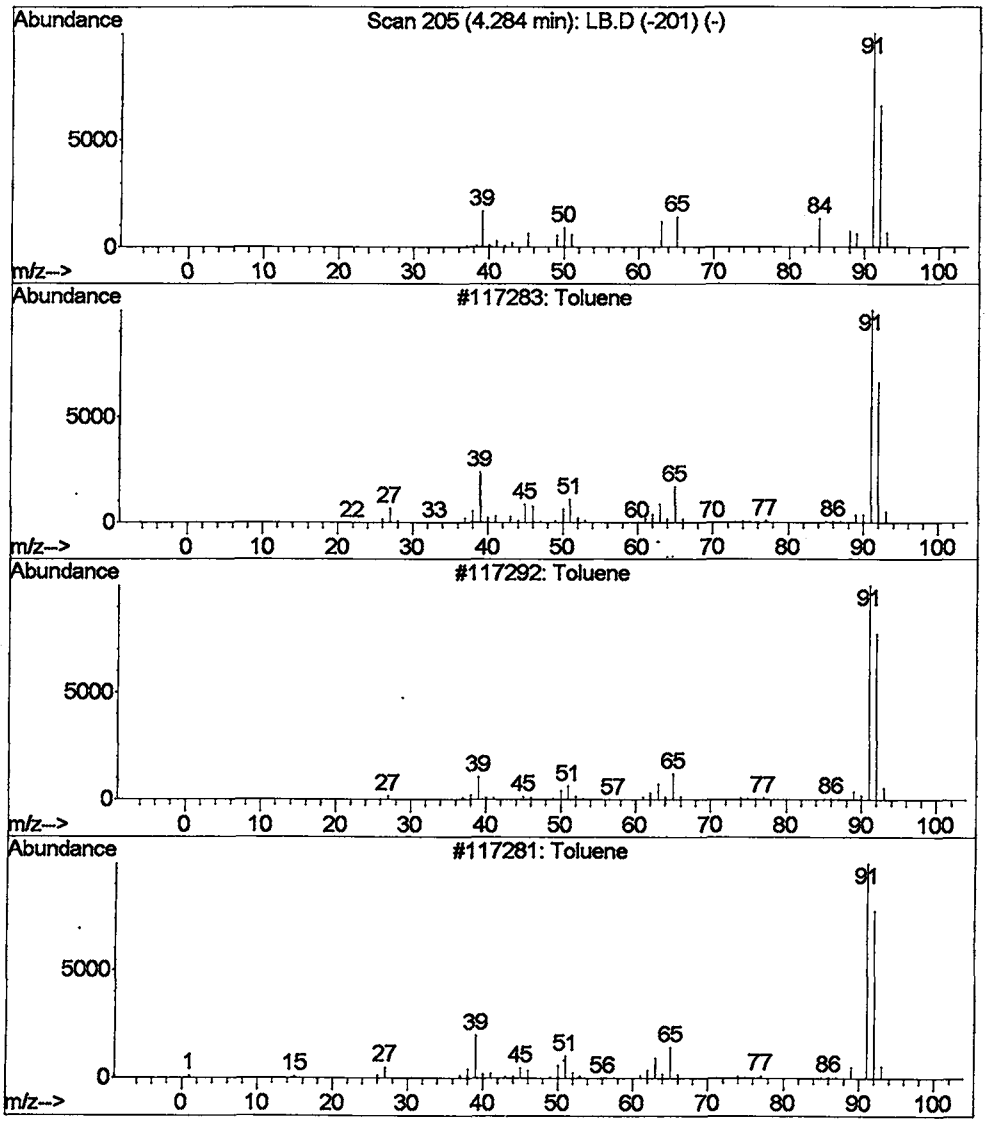
Quant Method : C:\MSDCHEM\1\METHODS\052202.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

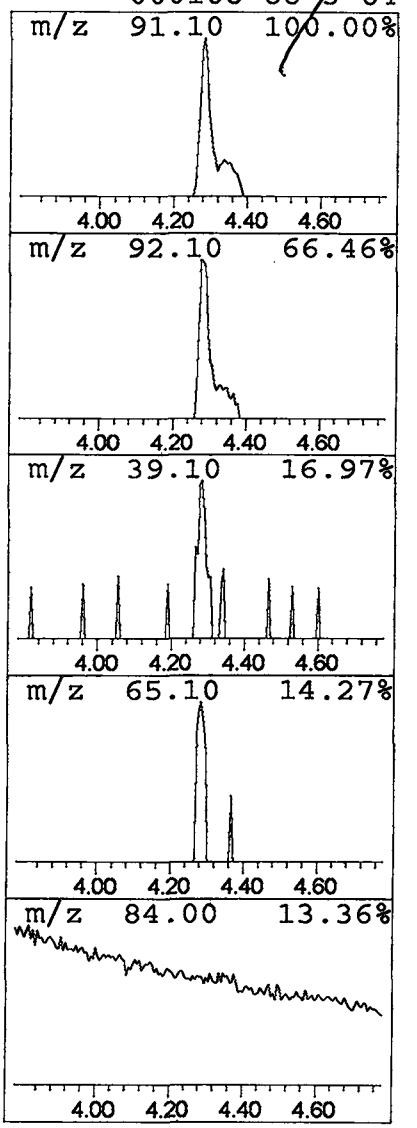
****

Peak Number 9 Toluene — Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.28	0.83 ug/L	648880	1,4-Dichlorobenzene-d4	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Toluene	92	C7H8	000108-88-3	72
2	Toluene	92	C7H8	000108-88-3	72
3	Toluene	92	C7H8	000108-88-3	64
4	Toluene	92	C7H8	000108-88-3	64





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\052102\LB.D Vial: 10
Acq On : 21 May 2002 8:40 pm Operator: Mclean
Sample : Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

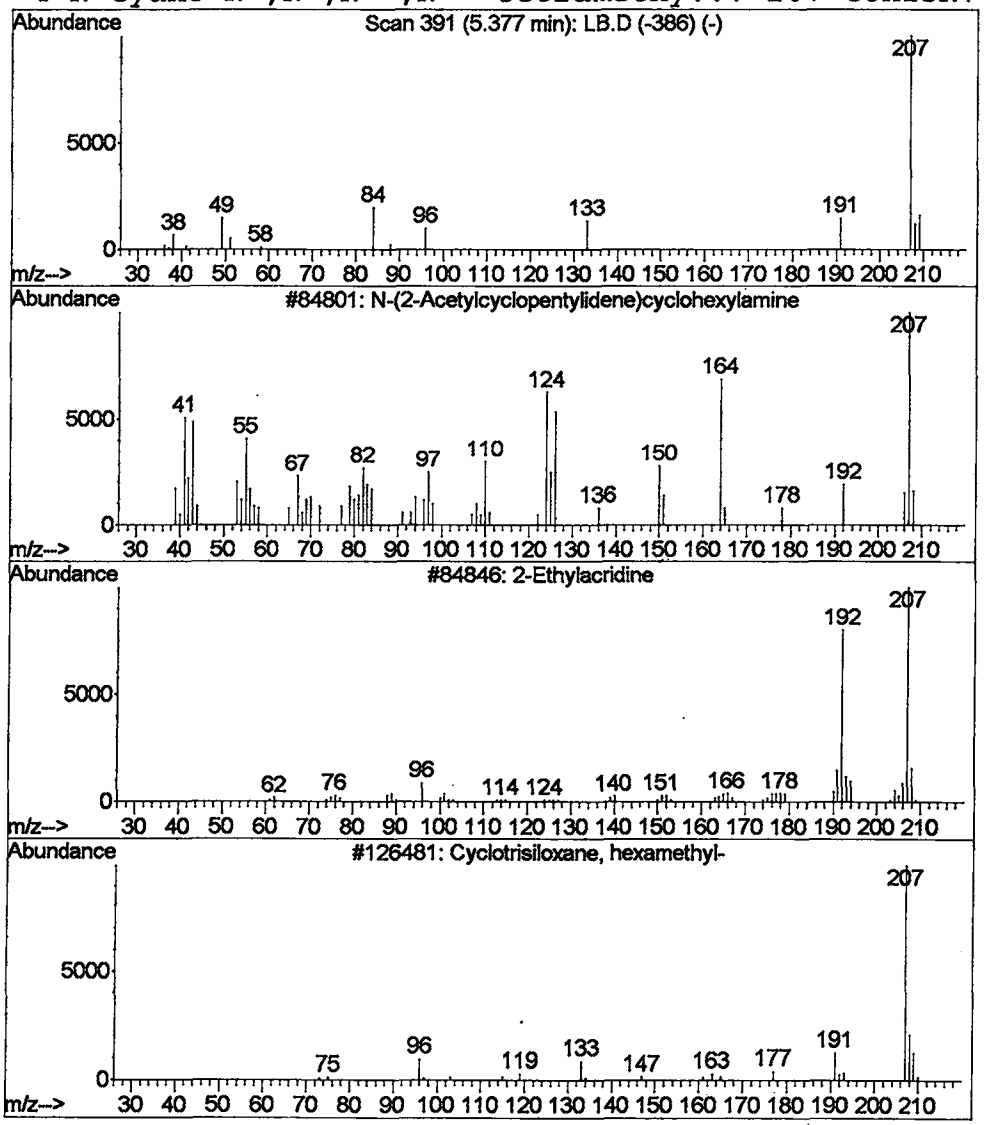
Quant Method : C:\MSDCHEM\1\METHODS\052202.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

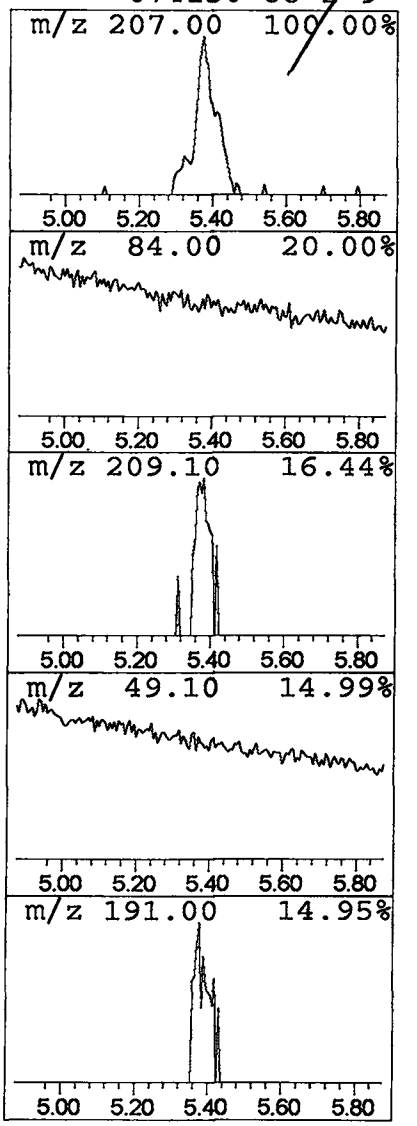
****

Peak Number 10 N-(2-Acetylcyclopentylidene... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.38	0.20 ug/L	158563	1,4-Dichlorobenzene-d4	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	N-(2-Acetylcyclopentylidene)cycl...	207	C13H21NO	1000100-48-5	53
2	2-Ethylacridine	207	C15H13N	1000147-64-9	42
3	Cyclotrisiloxane, hexamethyl-	222	C6H18O3Si3	000541-05-9	38
4	N-Cyano-N',N',N'',N''-tetramethy...	207	C8H13N7	074150-88-2	9





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\052102\LB.D Vial: 10
Acq On : 21 May 2002 8:40 pm Operator: Mclean
Sample : Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

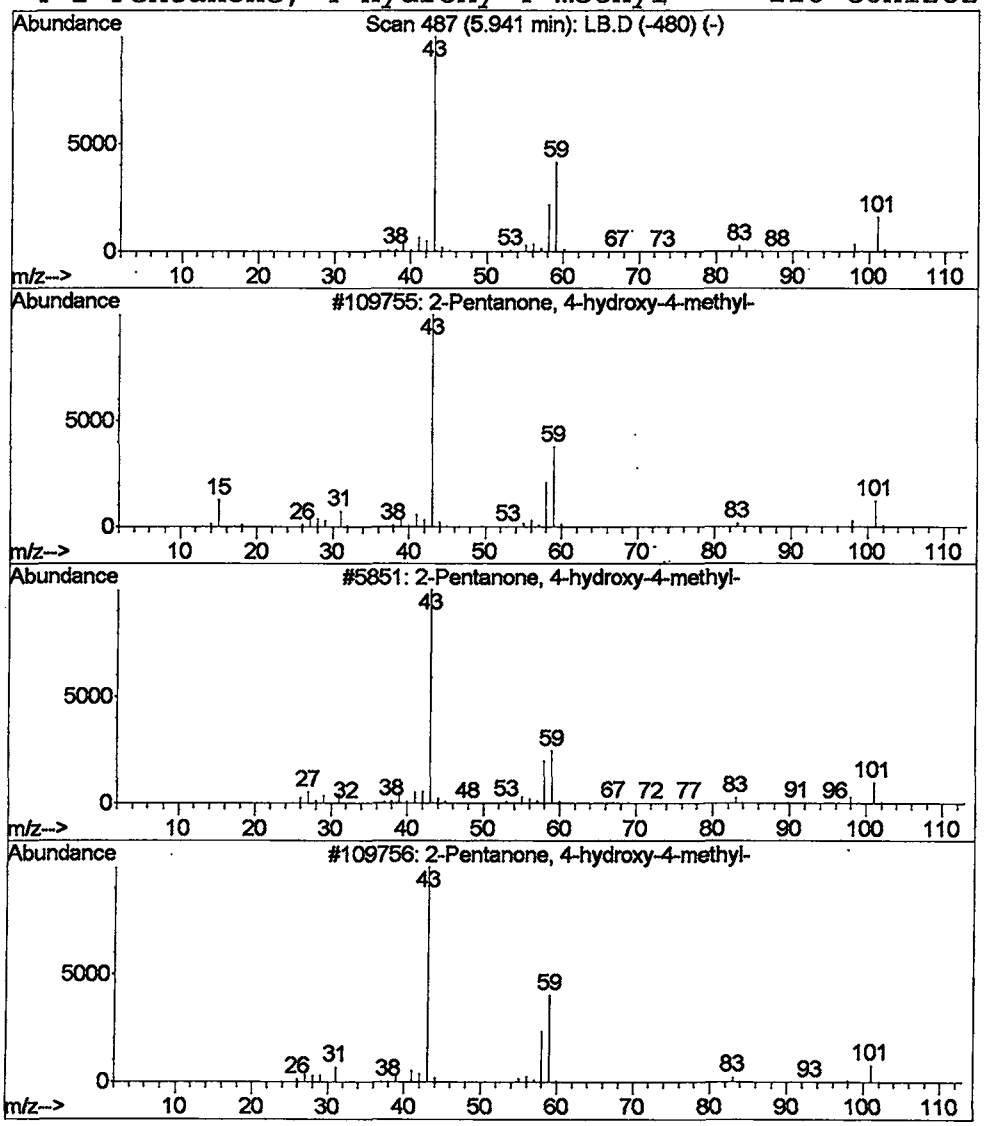
Quant Method : C:\MSDCHEM\1\METHODS\052202.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

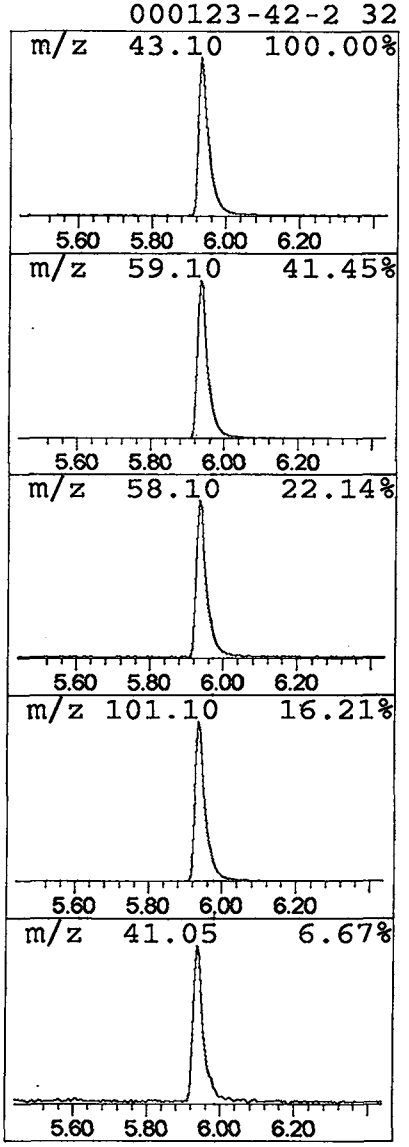
****

Peak Number 11 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.94	10.15 ug/L	7956390	1,4-Dichlorobenzene-d4	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	83
2	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
3	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	42
4	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	32





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\052102\LB.D Vial: 10
Acq On : 21 May 2002 8:40 pm Operator: Mclean
Sample : Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

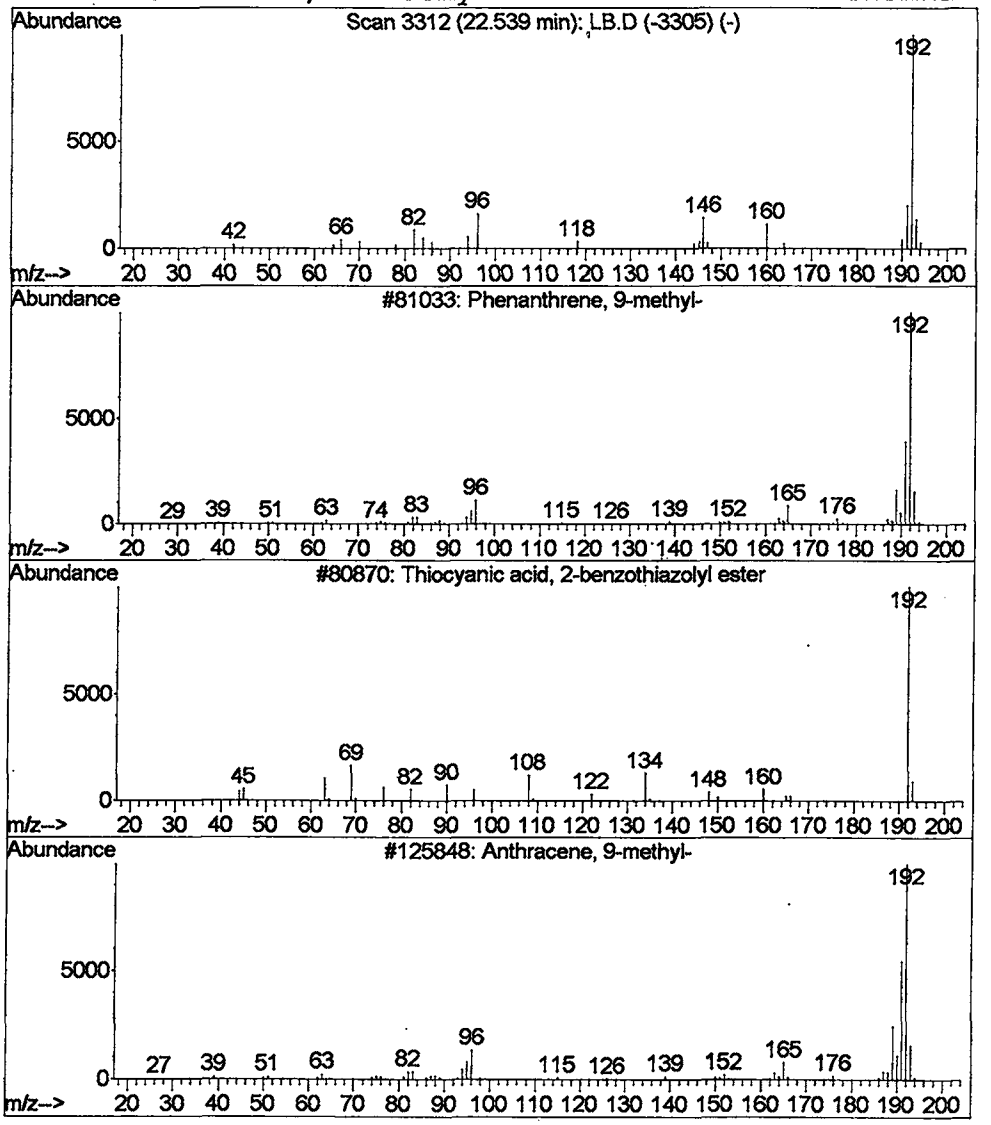
Quant Method : C:\MSDCHEM\1\METHODS\052202.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

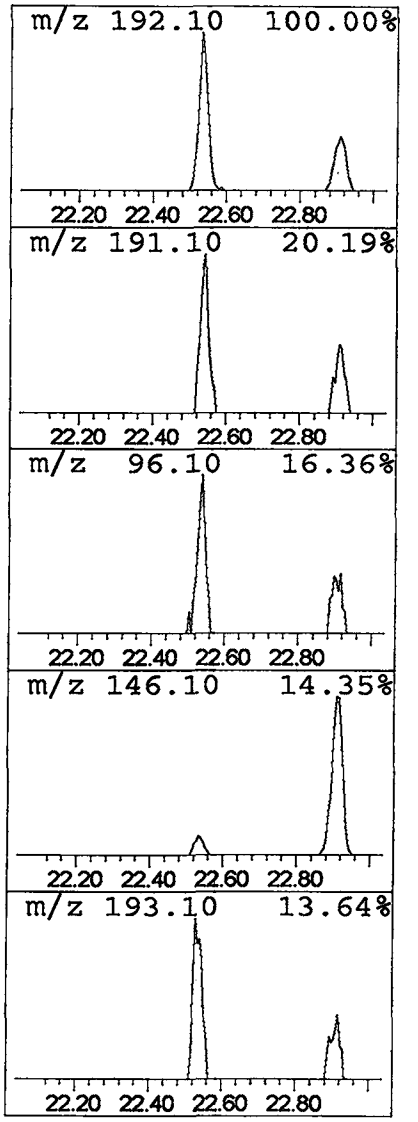
****

Peak Number 12 Phenanthrene, 9-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.54	0.28 ug/L	333446	Phenanthranene-d10	22.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	53
2	Thiocyanic acid, 2-benzothiazoly...	192	C8H4N2S2	006011-99-0	40
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	40
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	40





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\052102\LB.D
Acq On : 21 May 2002 8:40 pm
Sample :
Misc :
MS Integration Params: LSCINT.e

Vial: 10
Operator: Mclean
Inst : Instrumen
Multiplr: 1.00

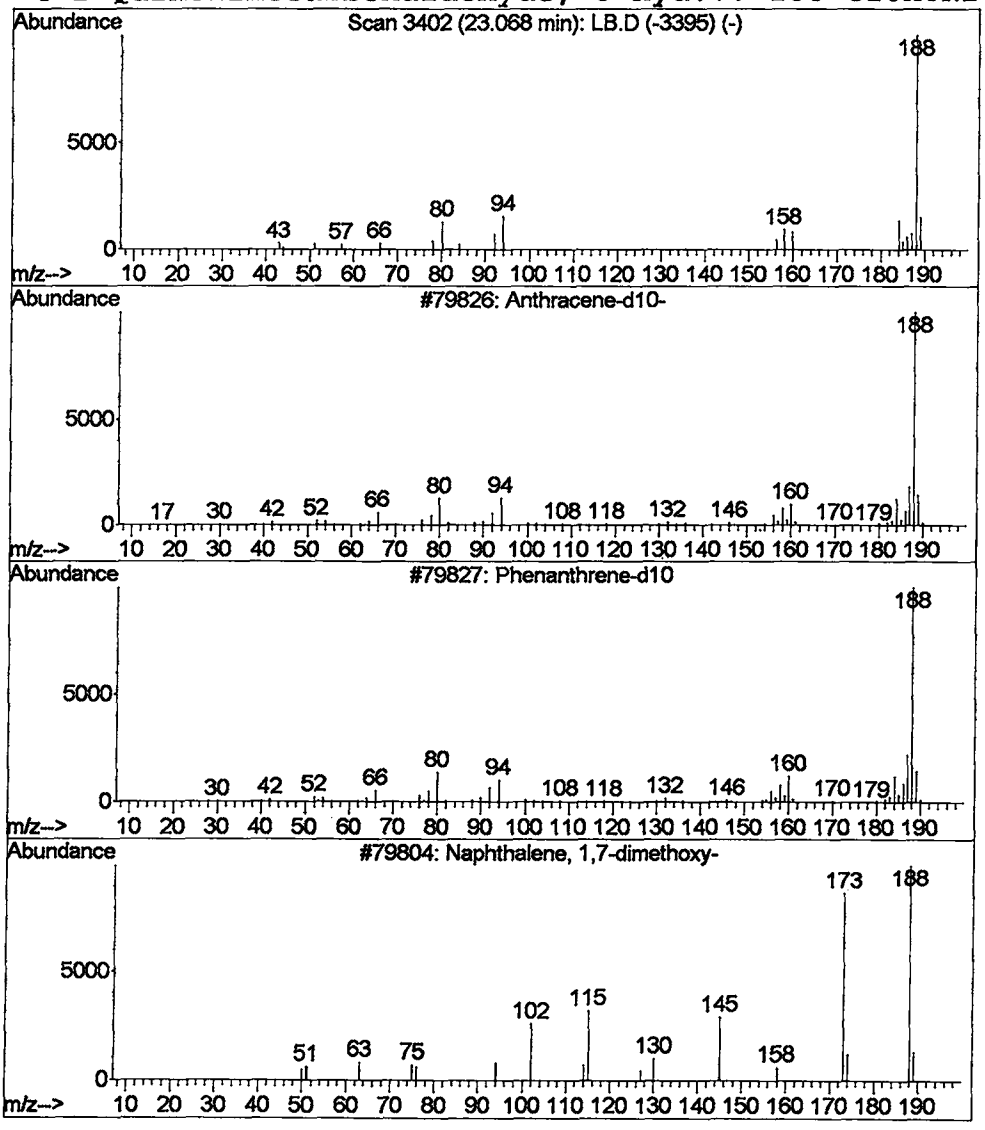
Quant Method : C:\MSDCHEM\1\METHODS\052202.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

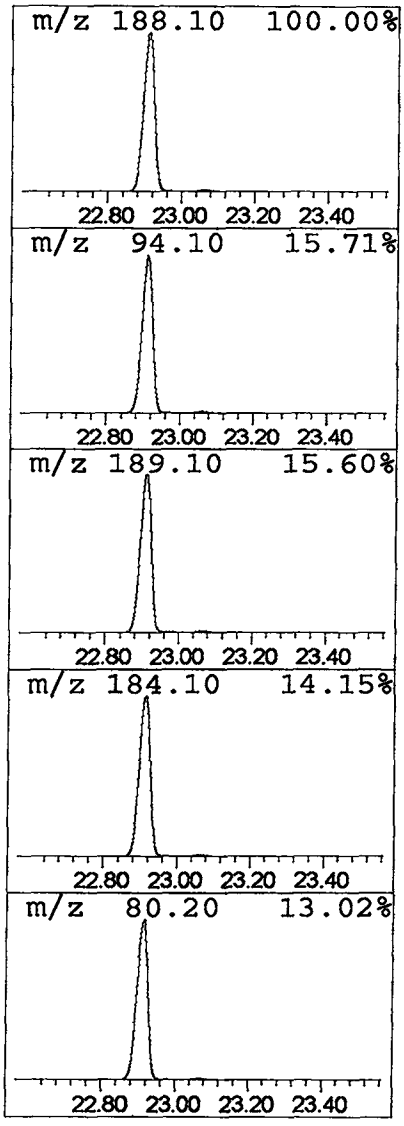
****

Peak Number 13 Anthracene-d10- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.07	0.28 ug/L	324966	Phenanthranene-d10	22.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene-d10-	188	C14D10	001719-06-8	94
2	Phenanthrene-d10	188	C14D10	001517-22-2	91
3	Naphthalene, 1,7-dimethoxy-	188	C12H12O2	005309-18-2	42
4	2-Quinolinecarboxaldehyde, 8-hyd...	188	C10H8N2O2	005603-22-5	42





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\052102\LB.D Vial: 10
Acq On : 21 May 2002 8:40 pm Operator: Mclean
Sample : Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

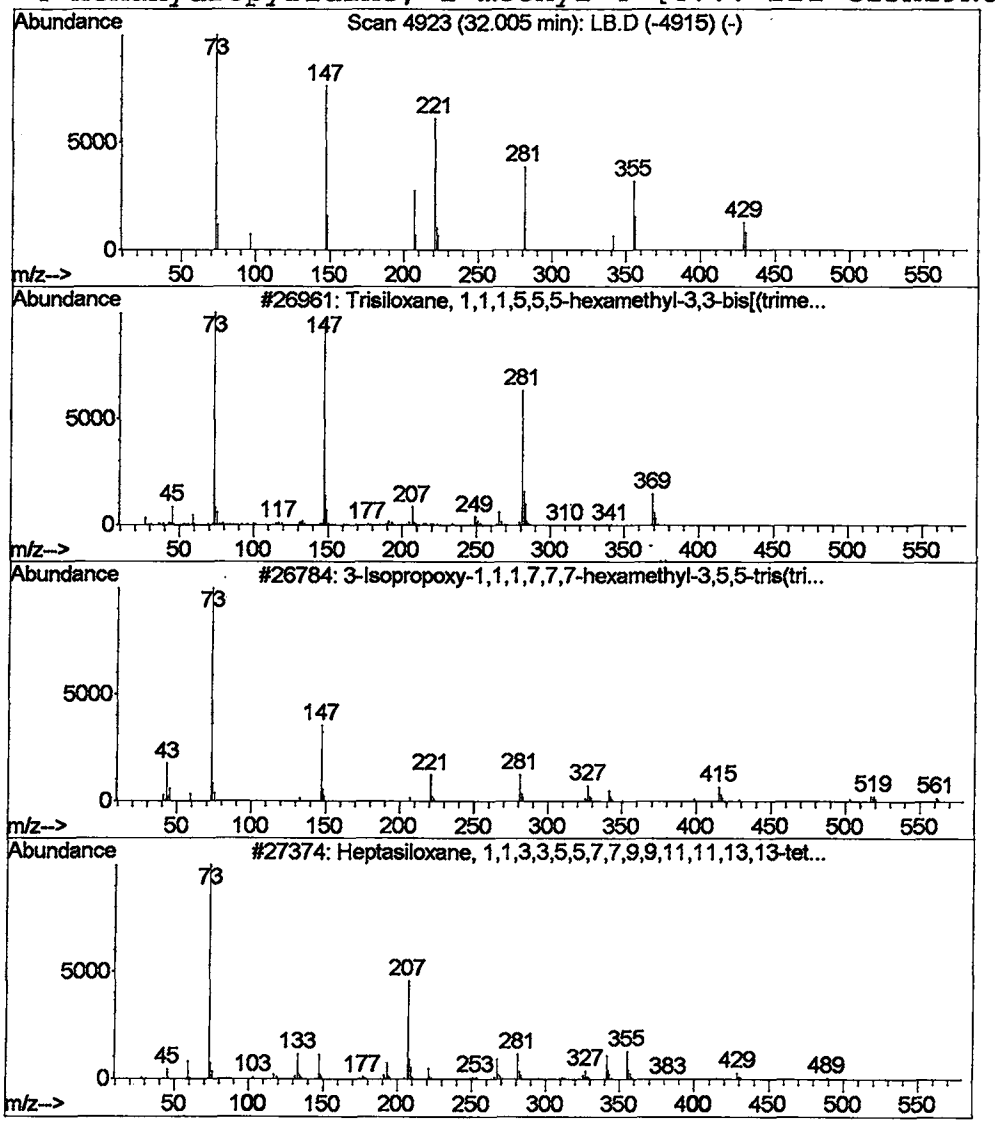
Quant Method : C:\MSDCHEM\1\METHODS\052202.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

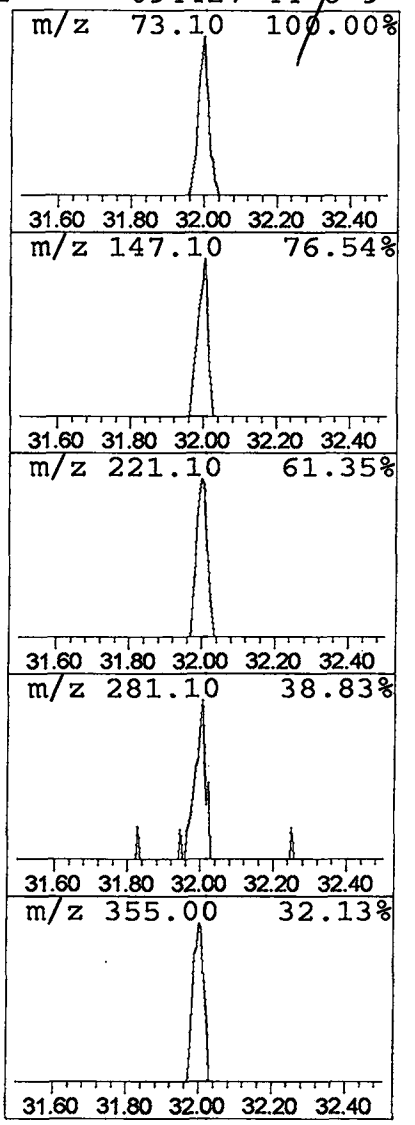
****

Peak Number 14 Trisiloxane, 1,1,1,5,5,5-he... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
32.00	0.21 ug/L	222991	Chrysene-d12	30.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Trisiloxane, 1,1,1,5,5,5-hexamet...	384	C12H36O4Si5	003555-47-3	37
2	3-Isopropoxy-1,1,1,7,7,7-hexamet...	576	C18H52O7Si7	071579-69-6	33
3	Heptasiloxane, 1,1,3,3,5,5,7,7,9...	504	C14H44O6Si7	019095-23-9	12
4	Hexahydropyridine, 1-methyl-4-[4...	221	C13H19NO2	094427-44-8	9





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\052102\LB.D Vial: 10
Acq On : 21 May 2002 8:40 pm Operator: Mclean
Sample : Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

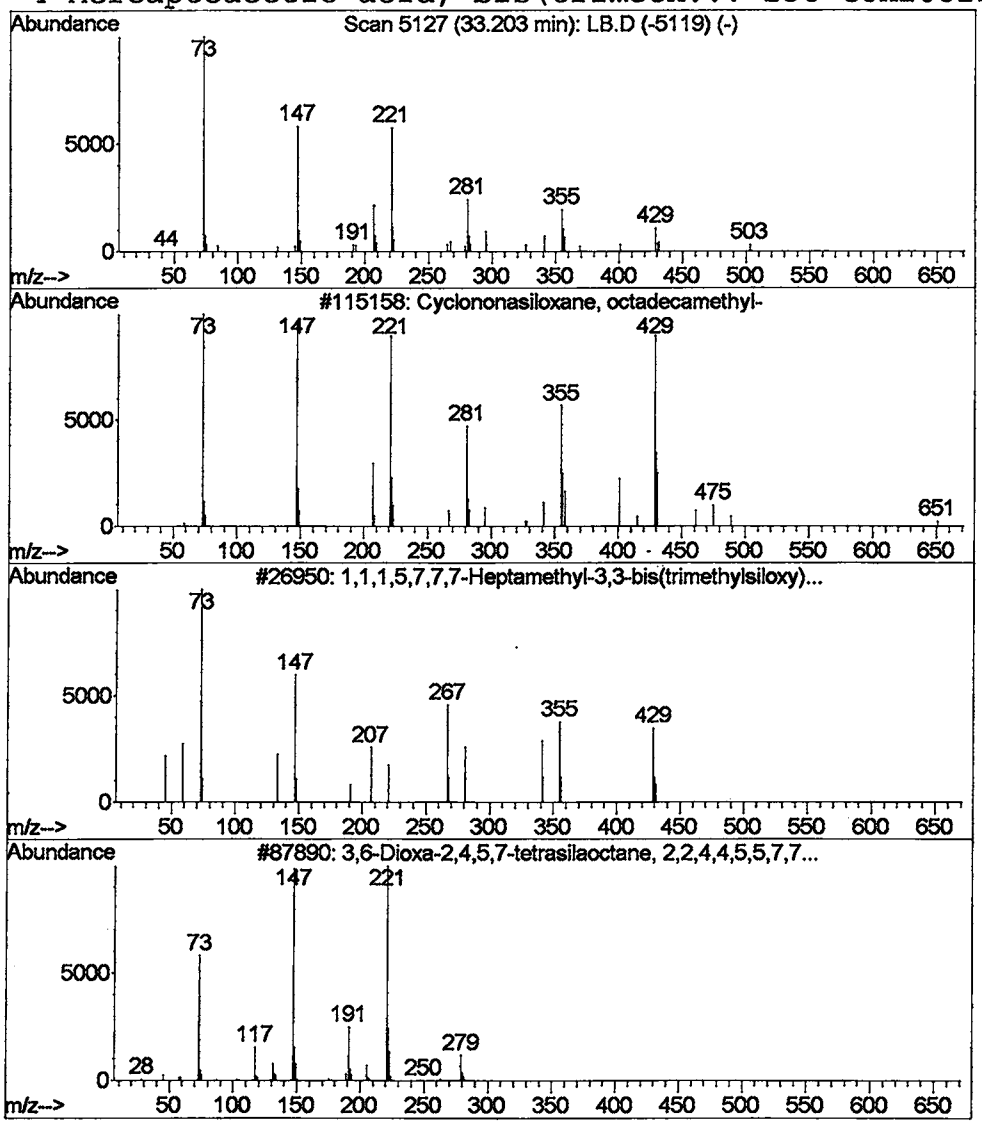
Quant Method : C:\MSDCHEM\1\METHODS\052202.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

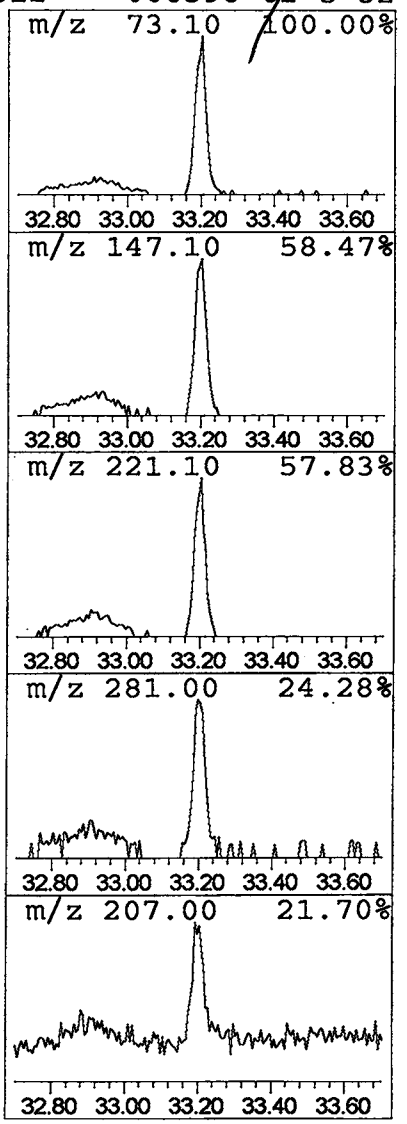
****

Peak Number 15 Cyclononasiloxane, octadeca... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
33.20	0.77 ug/L	596078	Perylene-d12	34.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclononasiloxane, octadecamethyl-	666	C18H54O9Si9	000556-71-8	72
2	1,1,1,5,7,7,7-Heptamethyl-3,3-bi...	444	C13H40O5Si6	038147-00-1	59
3	3,6-Dioxa-2,4,5,7-tetrasilaoctan...	294	C10H30O2Si4	004342-25-0	32
4	Mercaptoacetic acid, bis(trimeth...	236	C8H20O2SSi2	006398-62-5	32





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\052102\LB.D Vial: 10
Acq On : 21 May 2002 8:40 pm Operator: Mclean
Sample : Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

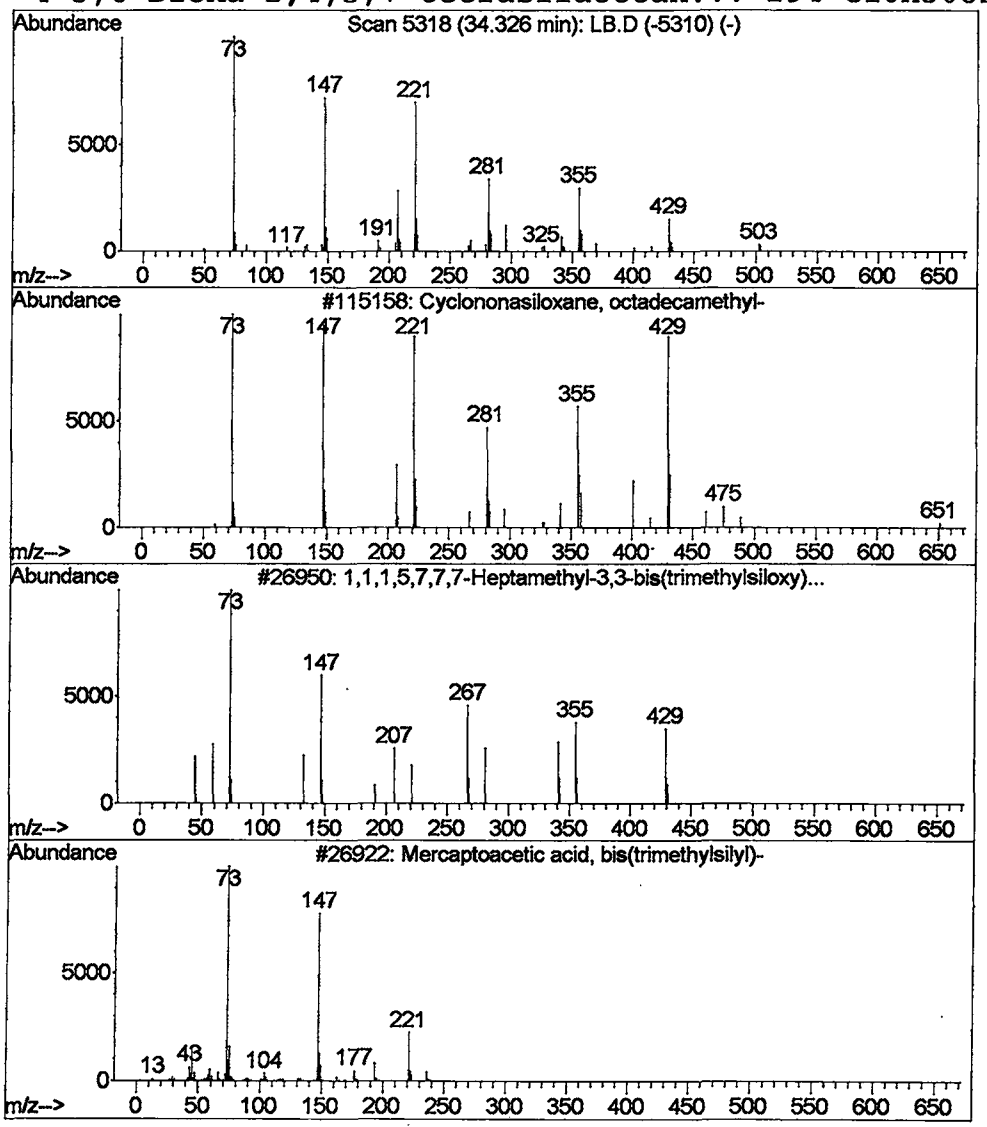
Quant Method : C:\MSDCHEM\1\METHODS\052202.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

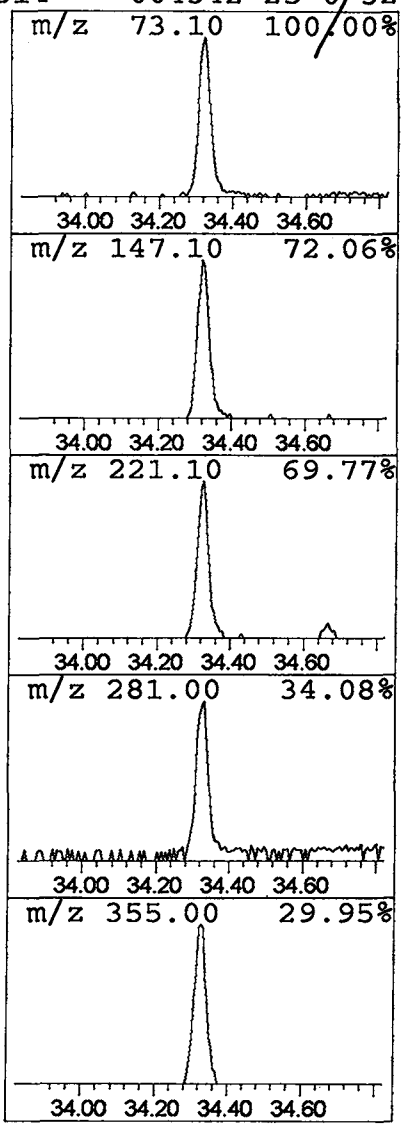
****

Peak Number 16 Cyclononasiloxane, octadeca... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
34.33	1.22 ug/L	947900	Perylene-d12	34.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclononasiloxane, octadecamethyl-	666	C18H54O9Si9	000556-71-8	91
2	1,1,1,5,7,7,7-Heptamethyl-3,3-bi...	444	C13H40O5Si6	038147-00-1	58
3	Mercaptoacetic acid, bis(trimeth...	236	C8H20O2SSi2	006398-62-5	32
4	3,6-Dioxa-2,4,5,7-tetrasilaoctan...	294	C10H30O2Si4	004342-25-0	32





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\052102\LB.D
Acq On : 21 May 2002 8:40 pm
Sample :
Misc :
MS Integration Params: LSCINT.e

Vial: 10
Operator: Mclean
Inst : Instrumen
Multiplr: 1.00

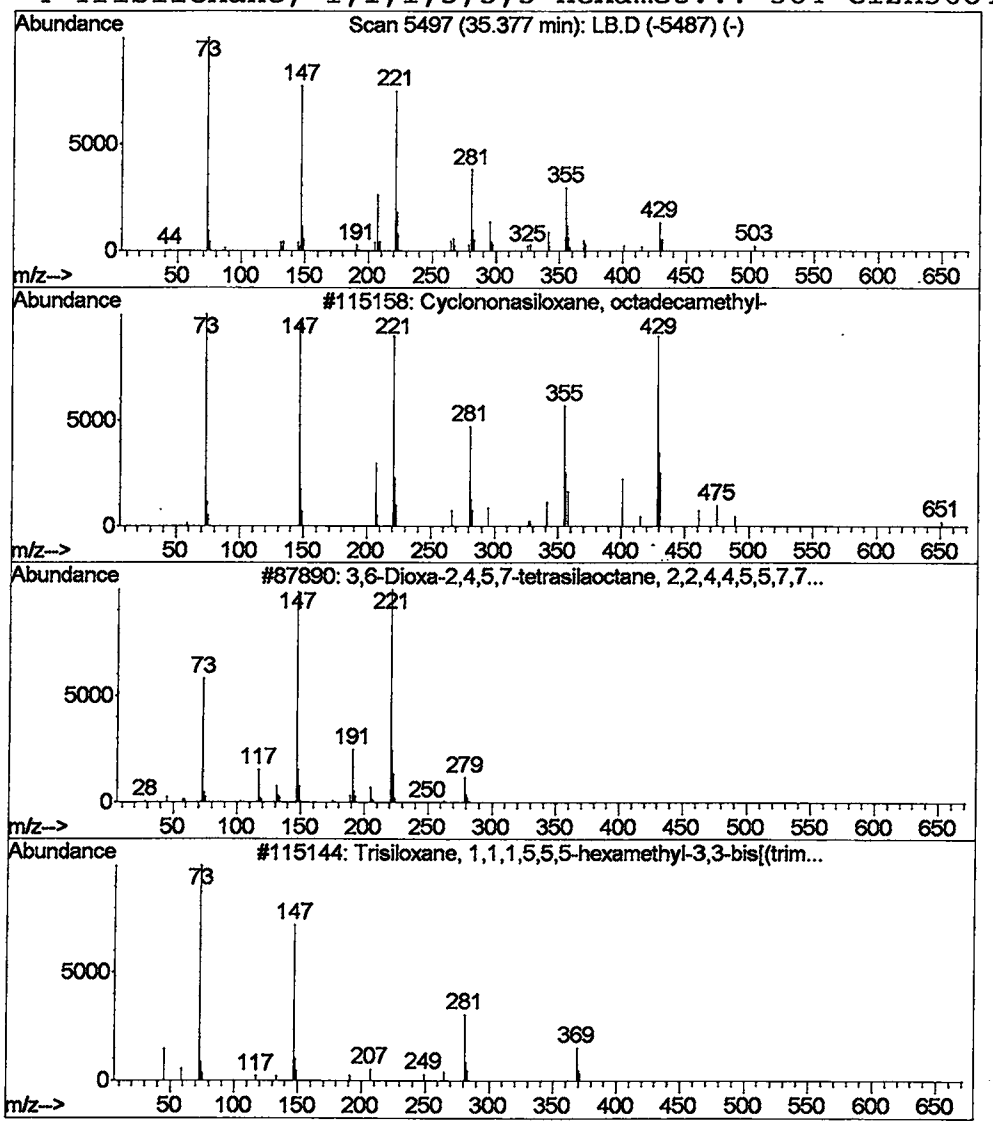
Quant Method : C:\MSDCHEM\1\METHODS\052202.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

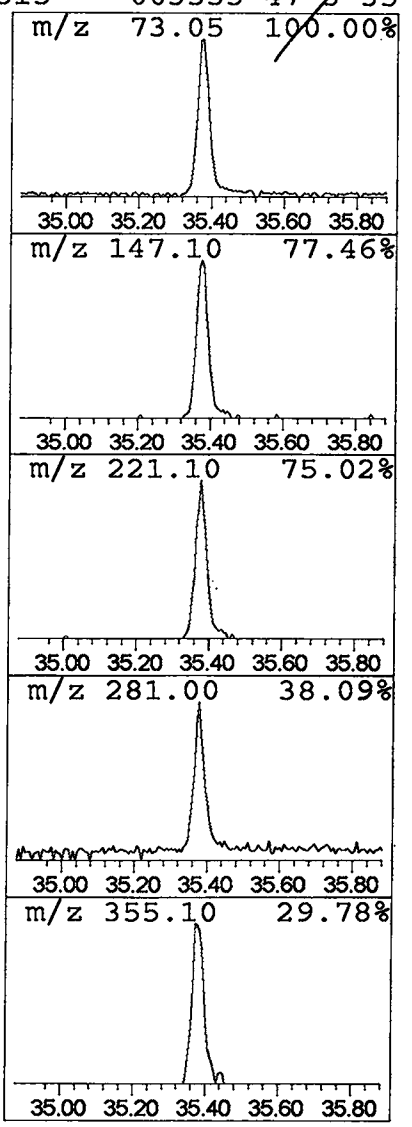
****

Peak Number 17 Cyclononasiloxane, octadeca... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
35.38	1.46 ug/L	1136330	Perylene-d12	34.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclononasiloxane, octadecamethyl-	666	C18H54O9Si9	000556-71-8	86
2	3,6-Dioxa-2,4,5,7-tetrasilaoctan...	294	C10H30O2Si4	004342-25-0	47
3	Trisiloxane, 1,1,1,5,5,5-hexamet...	384	C12H36O4Si5	003555-47-3	38
4	Trisiloxane, 1,1,1,5,5,5-hexamet...	384	C12H36O4Si5	003555-47-3	35





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\052102\LB.D Vial: 10
Acq On : 21 May 2002 8:40 pm Operator: Mclean
Sample : Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

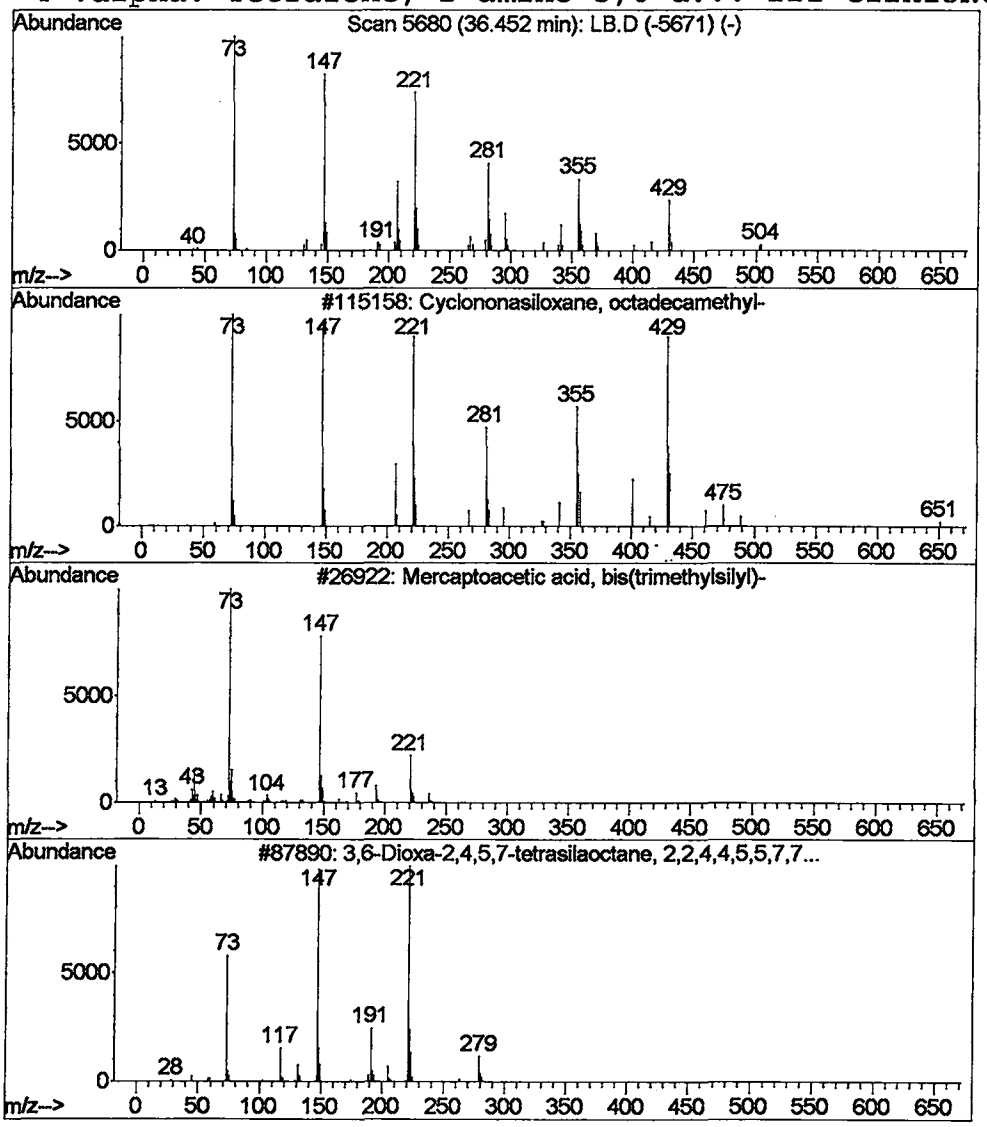
Quant Method : C:\MSDCHEM\1\METHODS\052202.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

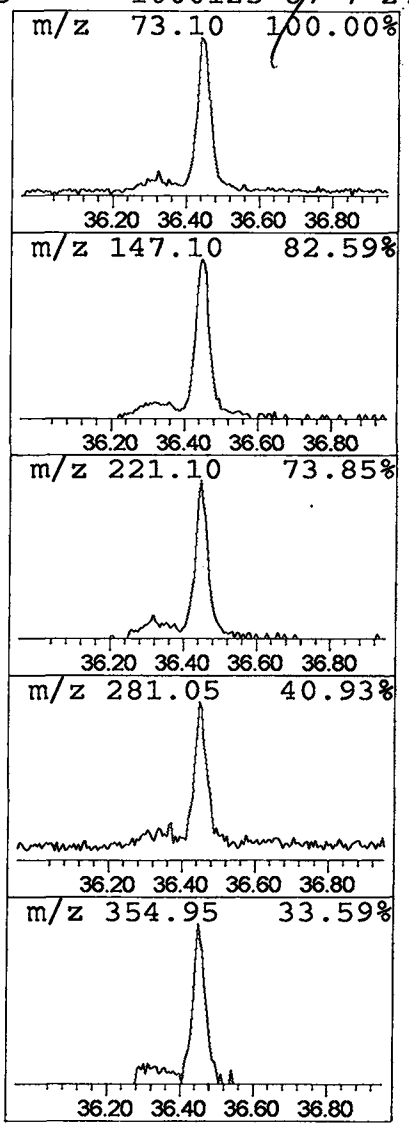
****

Peak Number 18 Cyclononasiloxane, octadeca... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
36.45	1.56 ug/L	1211920	Perylene-d12	34.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclononasiloxane, octadecamethyl-	666	C18H54O9Si9	000556-71-8	50
2	Mercaptoacetic acid, bis(trimeth...	236	C8H20O2SSi2	006398-62-5	47
3	3,6-Dioxa-2,4,5,7-tetrasilaoctan...	294	C10H30O2Si4	004342-25-0	40
4	.alpha.-Tetralone, 2-amino-5,6-d...	221	C12H15NO3	1000125-87-7	27





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\052102\LB.D Vial: 10
Acq On : 21 May 2002 8:40 pm Operator: Mclean
Sample : Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

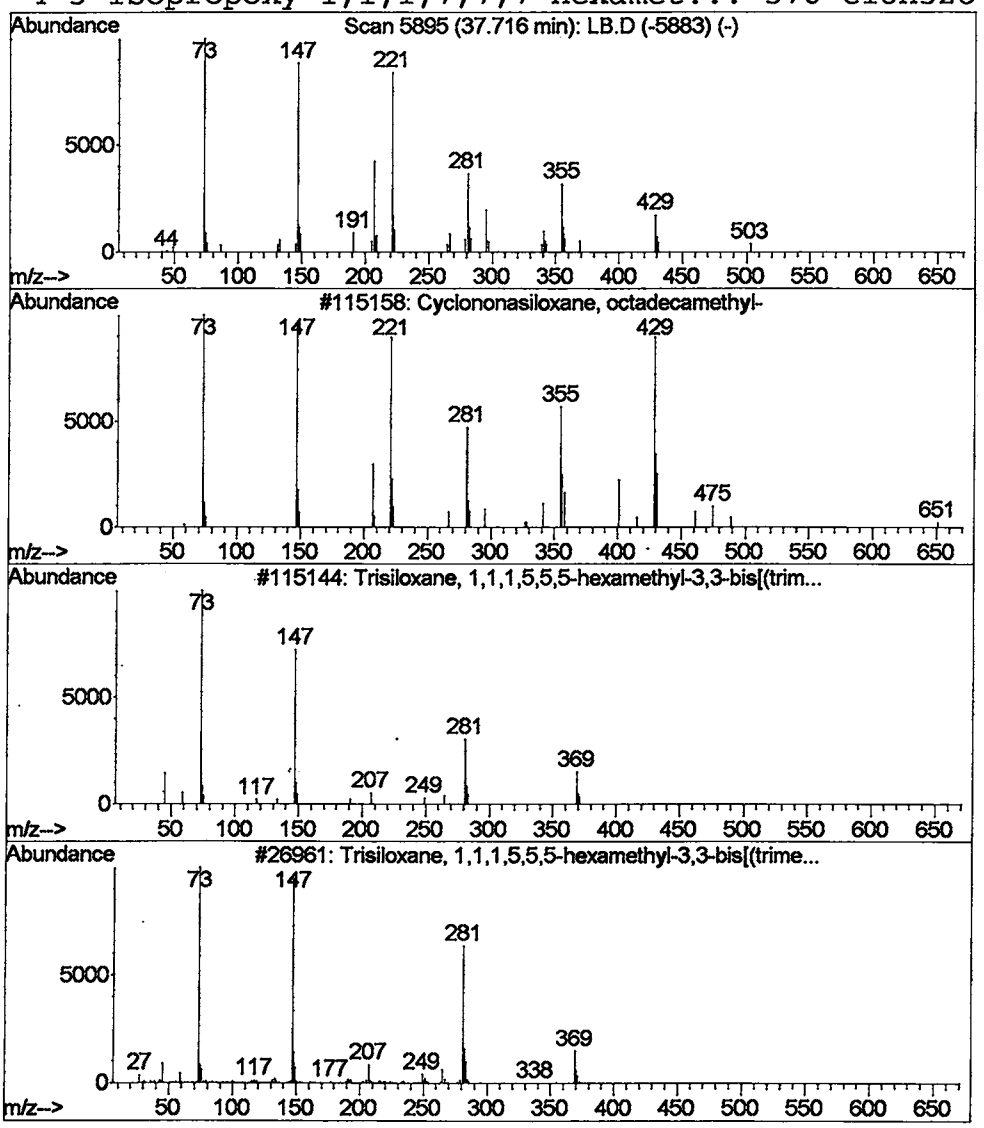
Quant Method : C:\MSDCHEM\1\METHODS\052202.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

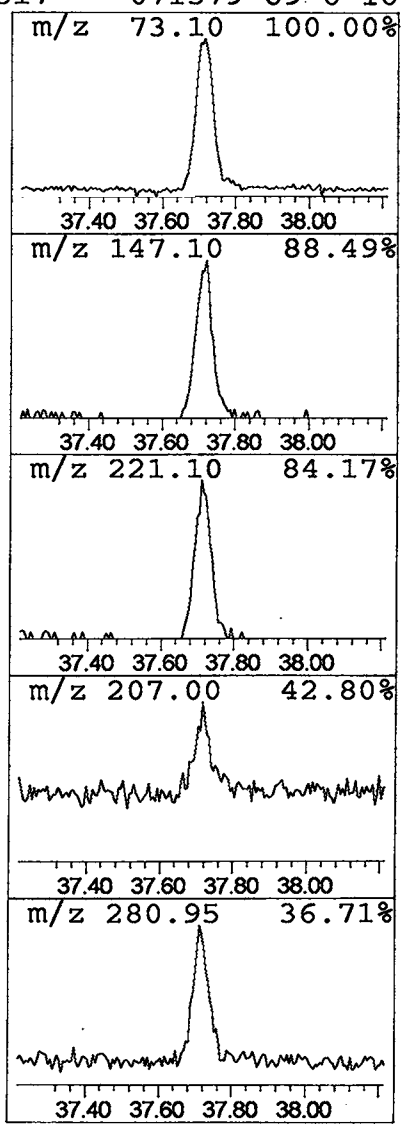
****

Peak Number 19 Cyclononasiloxane, octadeca... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
37.72	1.20 ug/L	932703	Perylene-d12	34.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclononasiloxane, octadecamethyl-	666	C18H54O9Si9	000556-71-8	83
2	Trisiloxane, 1,1,1,5,5,5-hexamet...	384	C12H36O4Si5	003555-47-3	22
3	Trisiloxane, 1,1,1,5,5,5-hexamet...	384	C12H36O4Si5	003555-47-3	22
4	3-Isopropoxy-1,1,1,7,7,7-hexamet...	576	C18H52O7Si7	071579-69-6	16





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\052102\LB.D Vial: 10
Acq On : 21 May 2002 8:40 pm Operator: Mclean
Sample : Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

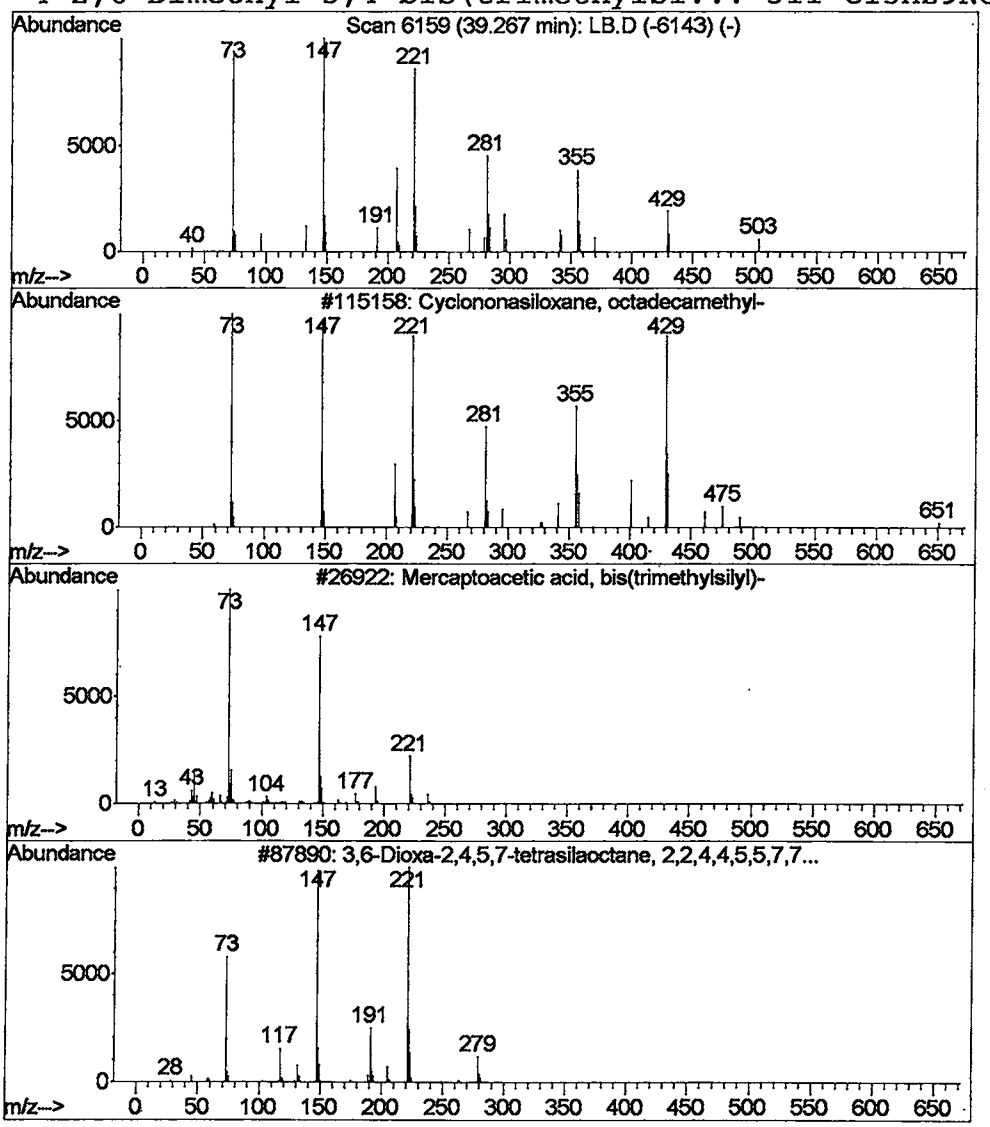
Quant Method : C:\MSDCHEM\1\METHODS\052202.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

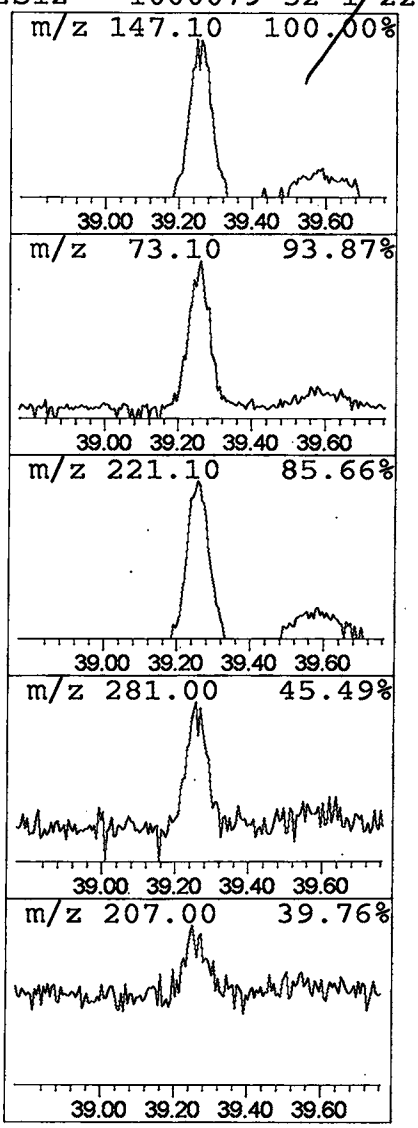
****

Peak Number 20 Cyclononasiloxane, octadeca... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
39.27	0.88 ug/L	687347	Perylene-d12	34.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclononasiloxane, octadecamethyl-	666	C18H54O9Si9	000556-71-8	87
2	Mercaptoacetic acid, bis(trimeth...	236	C8H20O2SSi2	006398-62-5	38
3	3,6-Dioxa-2,4,5,7-tetrasilaoctan...	294	C10H30O2Si4	004342-25-0	32
4	2,6-Dimethyl-3,4-bis(trimethylsi...	311	C15H29NO2Si2	1000079-52-1	22





Tentatively Identified Compound (LSC) summary

Operator ID: Mclean Date Acquired: 21 May 2002 8:40 pm
Data File: C:\MSDCHEM\1\DATA\052102\LB.D
Name:
Misc:
Method: C:\MSDCHEM\1\METHODS\052202.M (Chemstation Integrator)
Title: 508 Modified GC/MS scan
Library Searched: C:\DATABASE\NIST98.L

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--- #	RT	Resp	Conc
Methylene Chloride	3.69	0.7	ug/L	548700	1	9.90	31366100	40.0
Crotonic acid	3.71	1.1	ug/L	859037	1	9.90	31366100	40.0
2-Butenal, 2-methyl-	3.76	0.8	ug/L	622002	1	9.90	31366100	40.0
Borane, trifluoro-	3.82	0.9	ug/L	693652	1	9.90	31366100	40.0
2-Butenal, 3-methyl-	3.85	0.4	ug/L	343132	1	9.90	31366100	40.0
Thiophene	3.87	0.6	ug/L	468404	1	9.90	31366100	40.0
Krypton	3.91	0.3	ug/L	259274	1	9.90	31366100	40.0
Methylene Chloride	4.20	0.6	ug/L	435891	1	9.90	31366100	40.0
Toluene	4.28	0.8	ug/L	648880	1	9.90	31366100	40.0
N-(2-Acetylcyclop...	5.38	0.2	ug/L	158563	1	9.90	31366100	40.0
2-Pentanone, 4-hy...	5.94	10.1	ug/L	7956390	1	9.90	31366100	40.0
Phenanthrene, 9-m...	22.54	0.3	ug/L	333446	4	22.91	46998900	40.0
Anthracene-d10-	23.07	0.3	ug/L	324966	4	22.91	46998900	40.0
Trisiloxane, 1,1,...	32.00	0.2	ug/L	222991	5	30.77	42331600	40.0
Cyclononasiloxane...	33.20	0.8	ug/L	596078	6	34.67	31127900	40.0
Cyclononasiloxane...	34.33	1.2	ug/L	947900	6	34.67	31127900	40.0
Cyclononasiloxane...	35.38	1.5	ug/L	1136330	6	34.67	31127900	40.0
Cyclononasiloxane...	36.45	1.6	ug/L	1211920	6	34.67	31127900	40.0
Cyclononasiloxane...	37.72	1.2	ug/L	932703	6	34.67	31127900	40.0
Cyclononasiloxane...	39.27	0.9	ug/L	687347	6	34.67	31127900	40.0